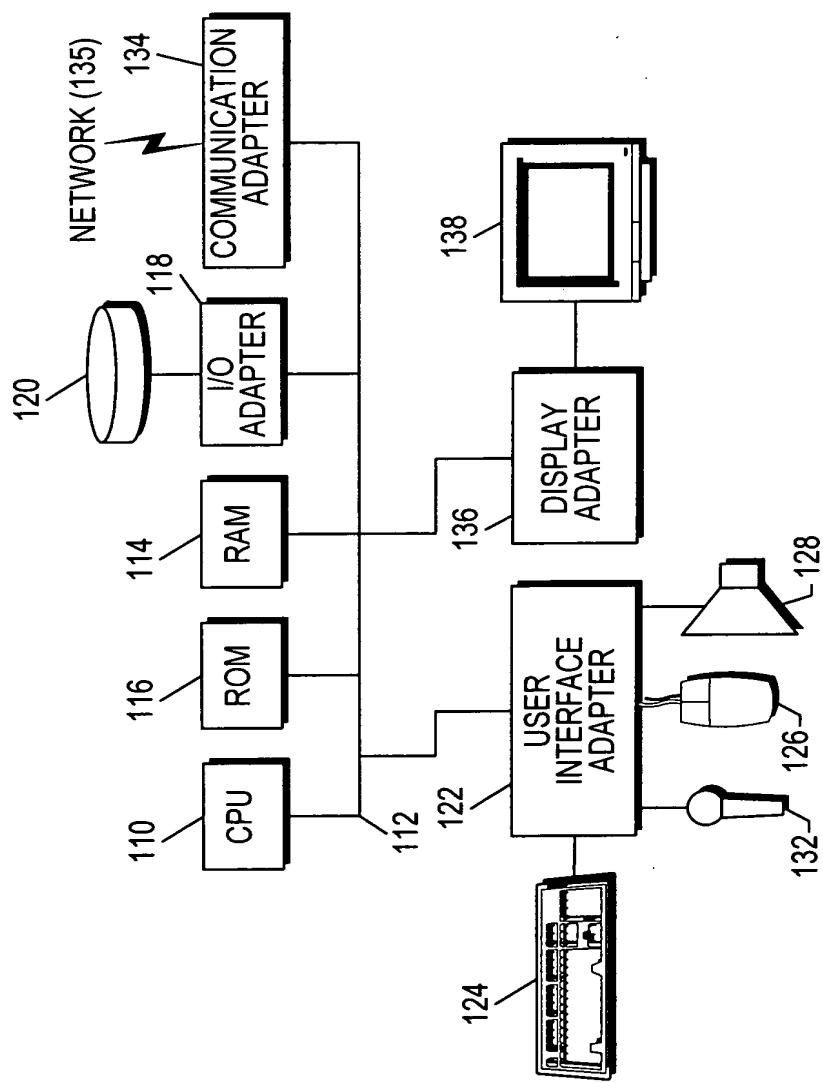


Figure 1



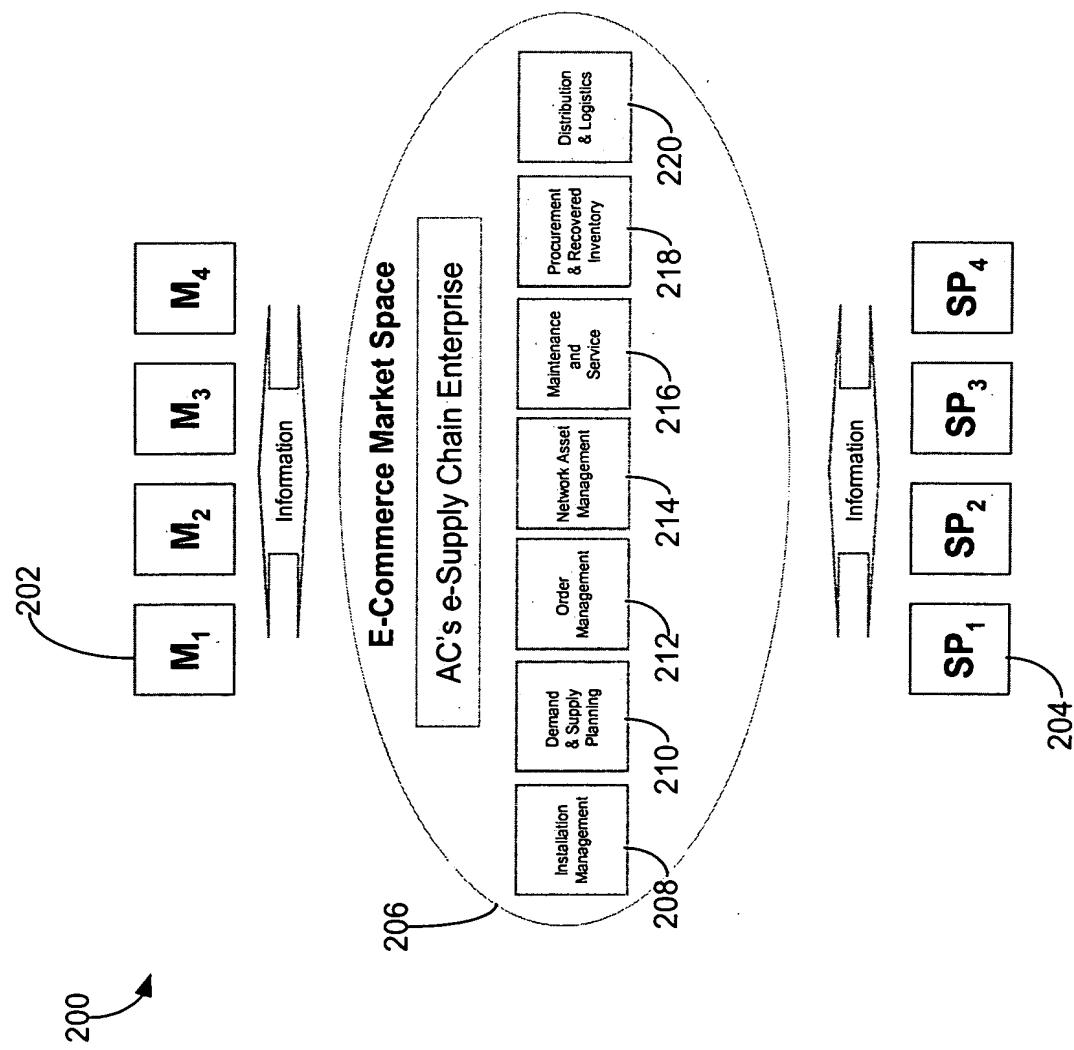


Figure 2

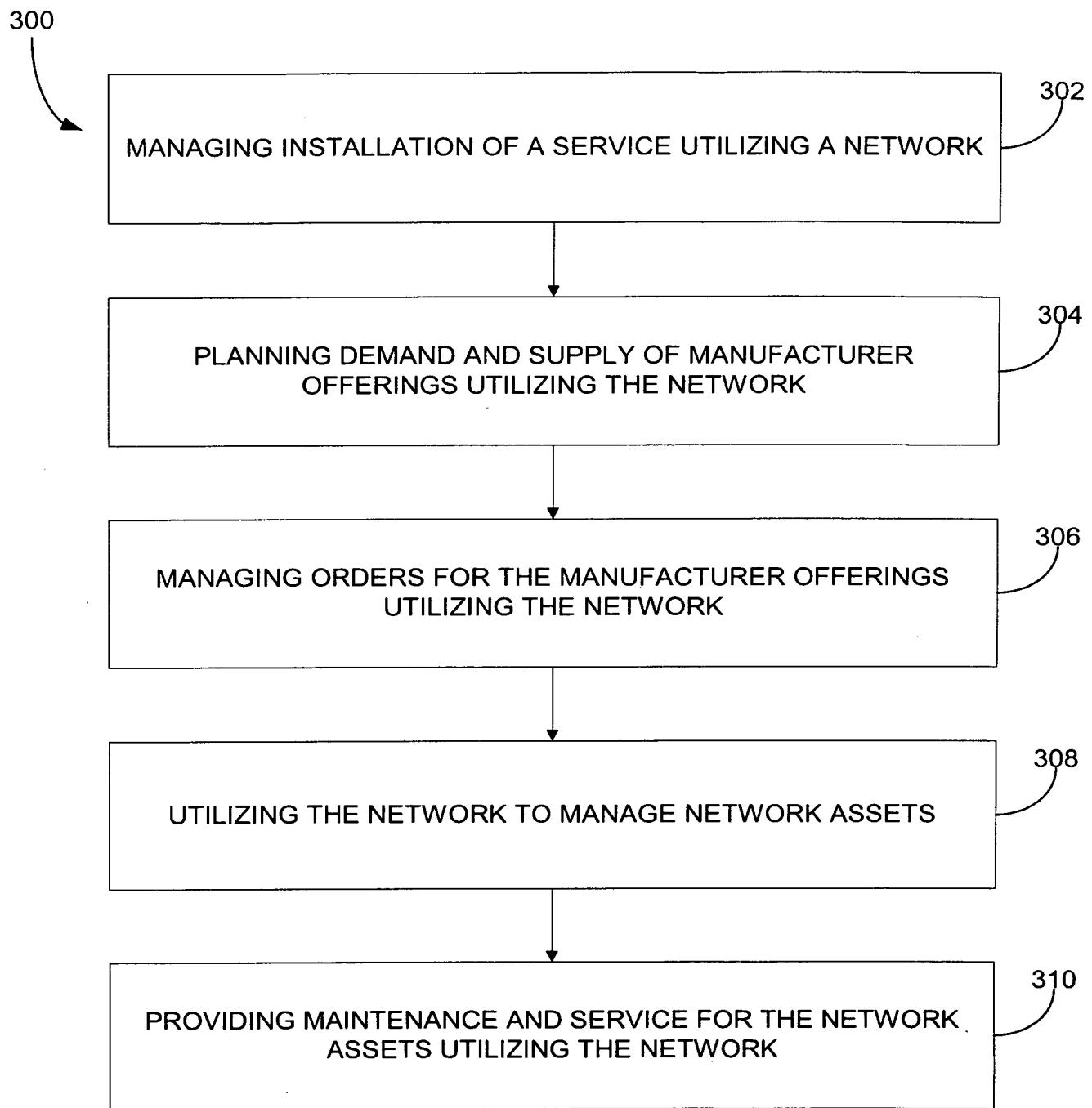


Figure 3

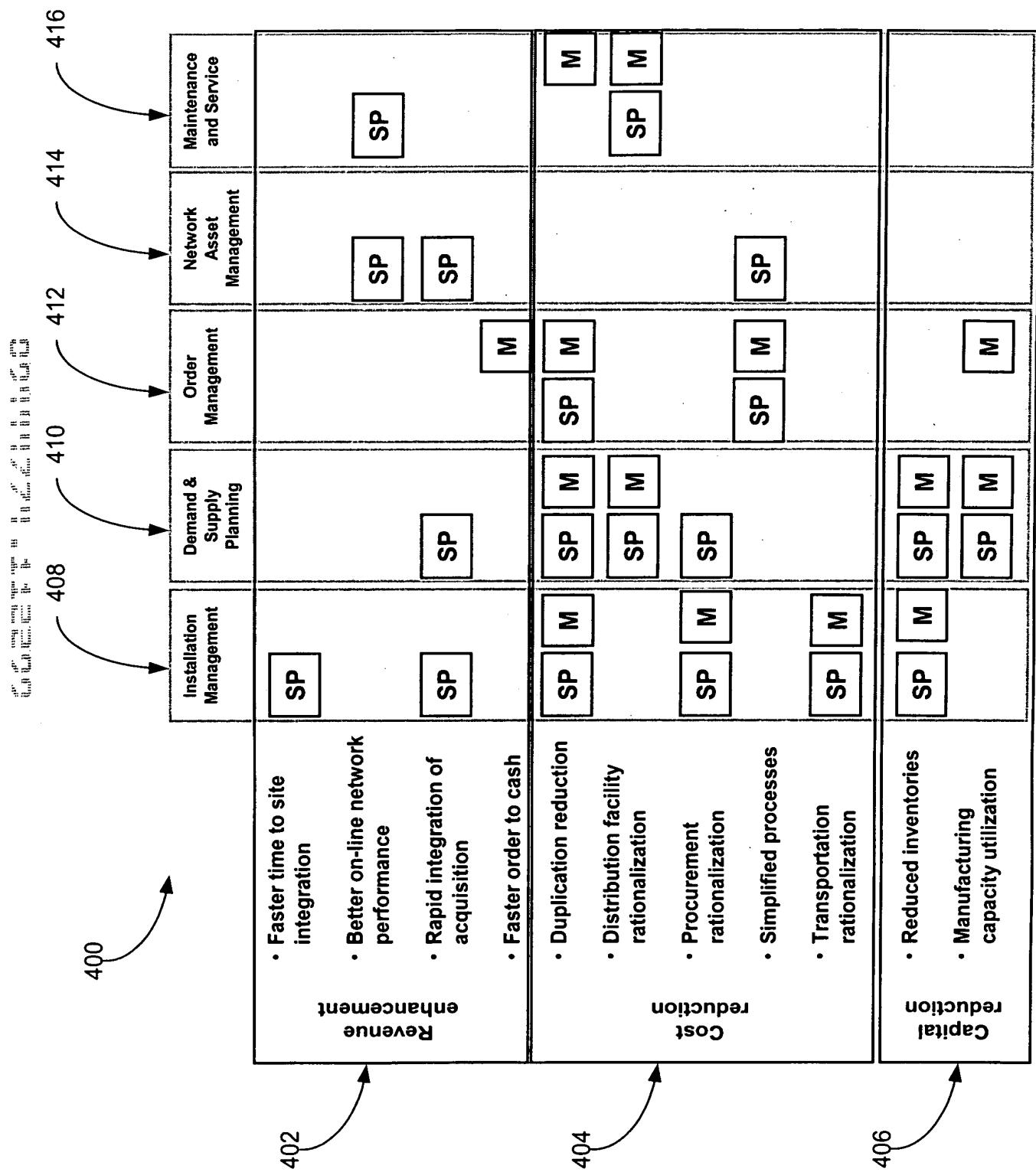


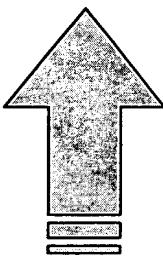
Figure 4

Core Competencies

502	Service Provider <ul style="list-style-type: none">• New customer acquisitions• New customer segmentation strategy• Strategic technology mgmt• Technology life cycle management• New service offerings
-----	---

502

506



New Business Relationships

506	Service Provider <ul style="list-style-type: none">• Provide an open access channel for new service offerings from the manufacturer• Move to a focus on platform release strategy in line with service offerings
508	Manufacturer <ul style="list-style-type: none">• Gain the potential to reposition the network as a platform for their solutions pipeline<ul style="list-style-type: none">• The ability for the manufacturer to build strategic alliances with solution integrators becomes a critical differentiator

504

508

Figure 5

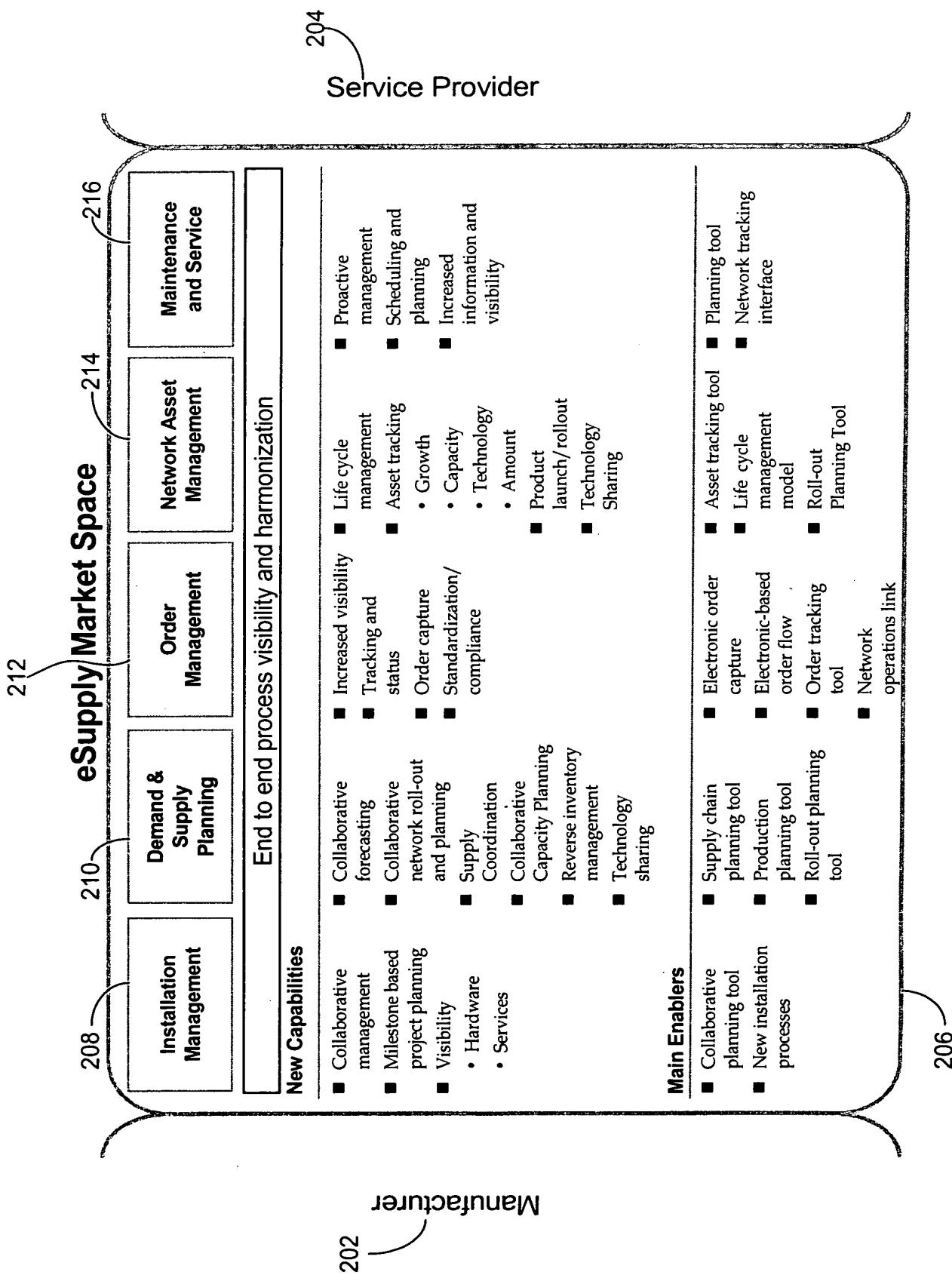


Figure 6

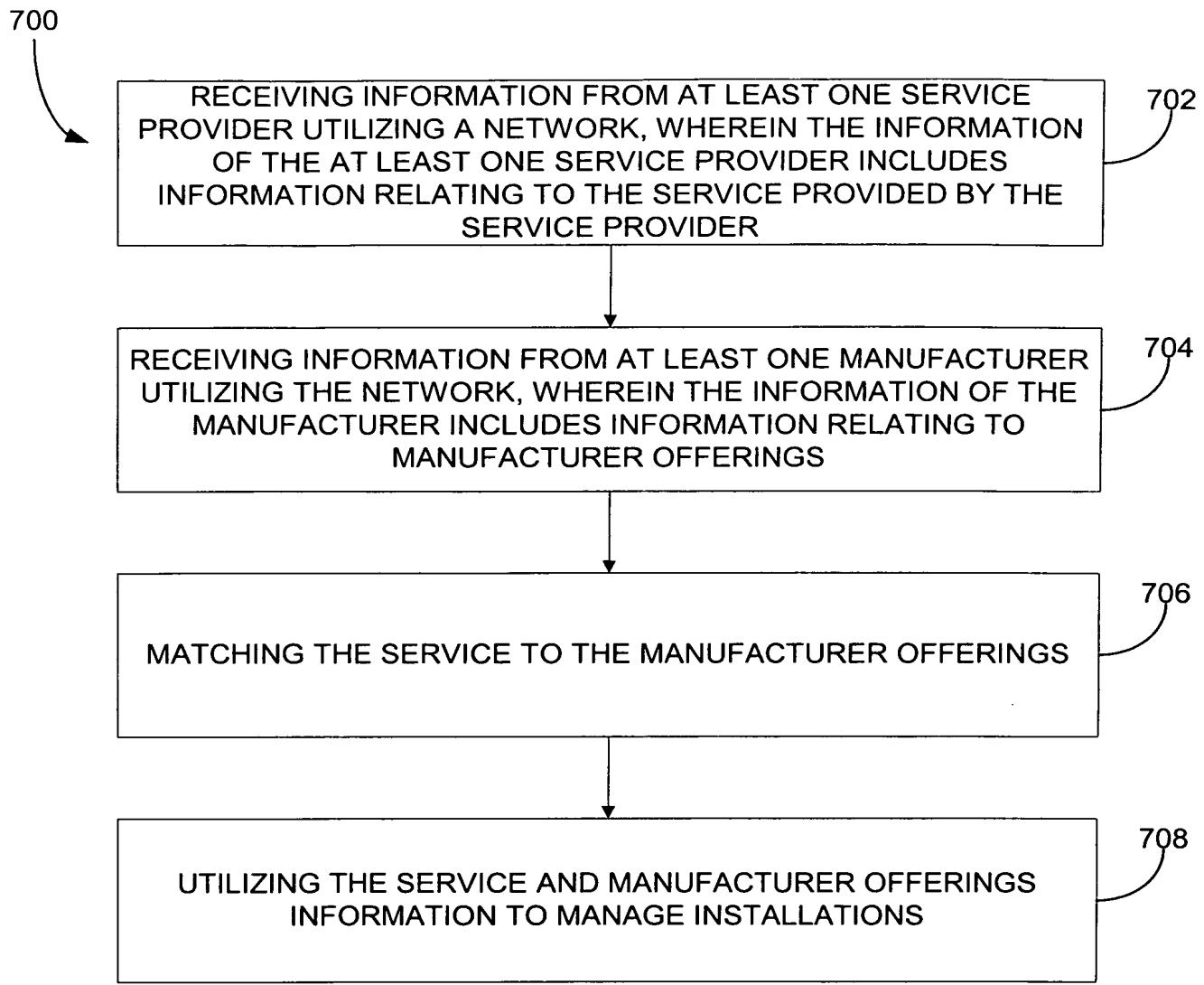


Figure 7

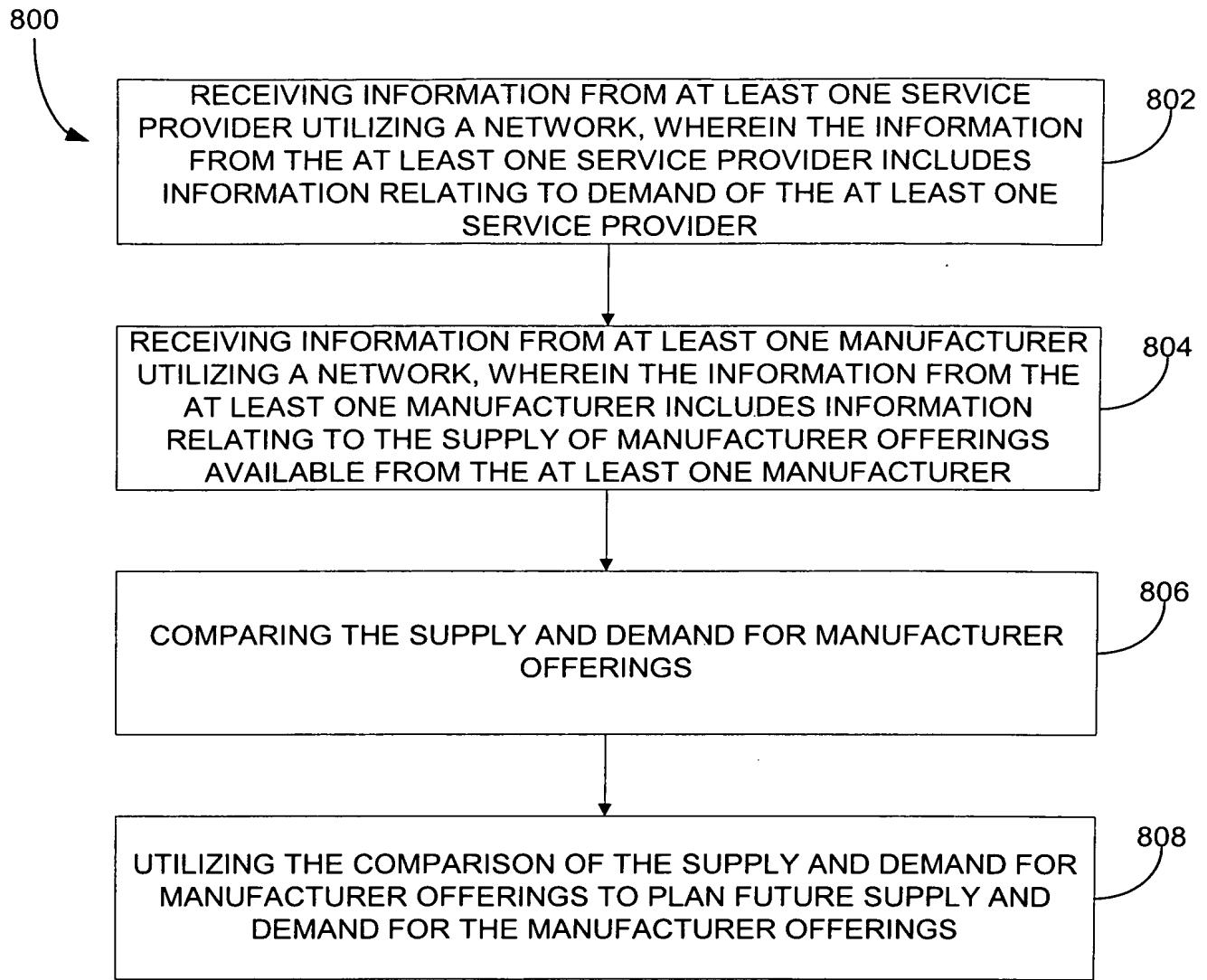


Figure 8

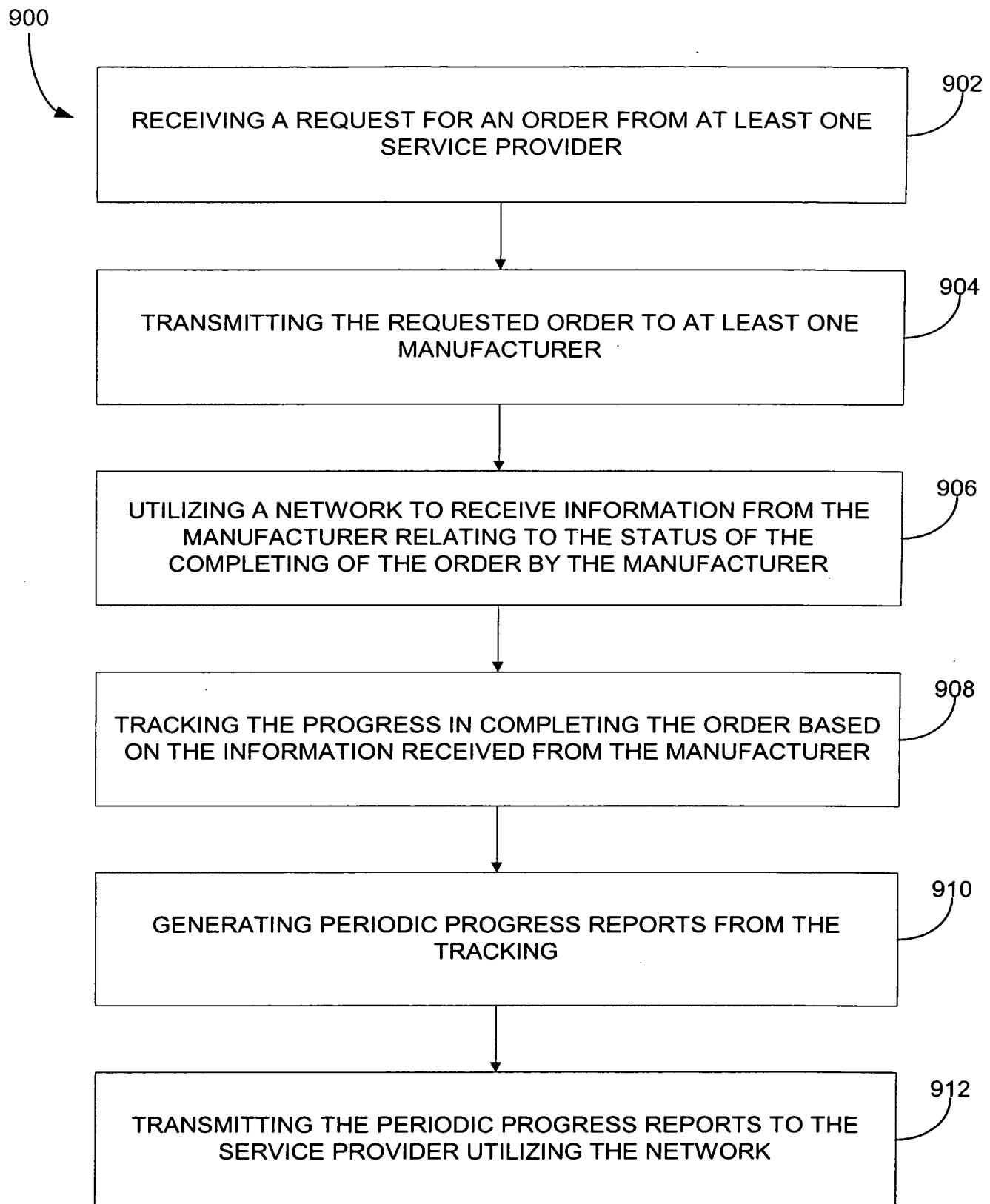


Figure 9

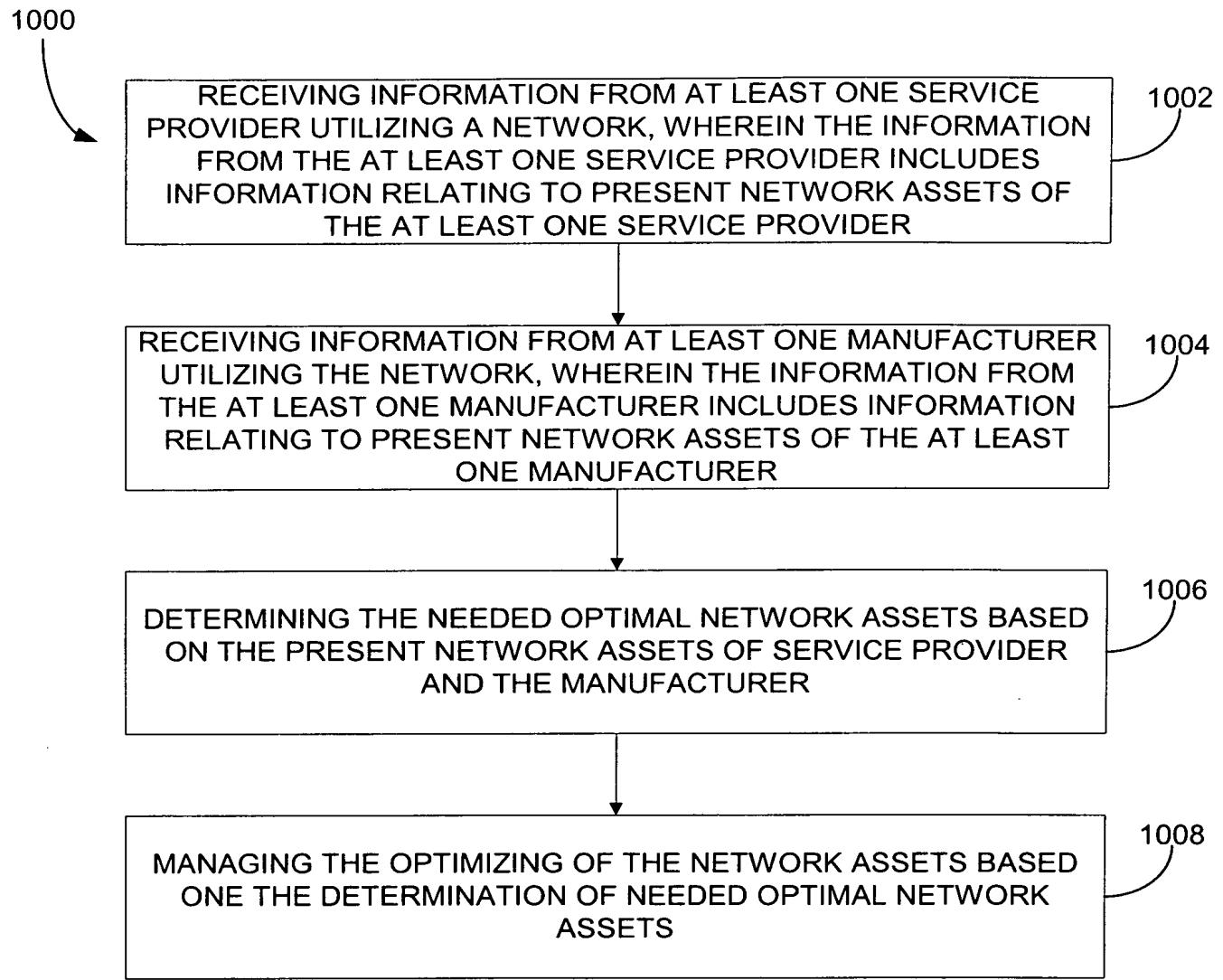


Figure 10

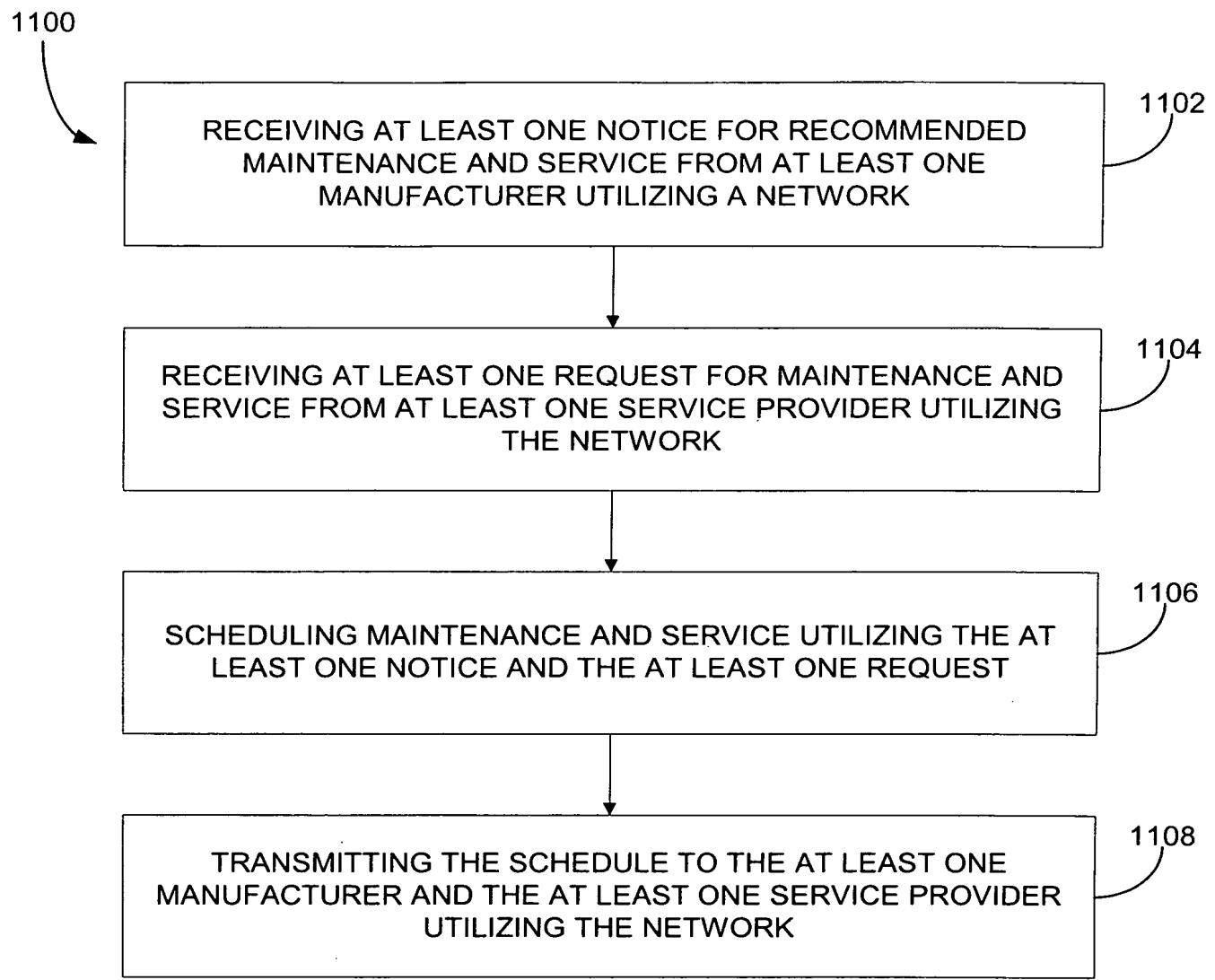


Figure 11

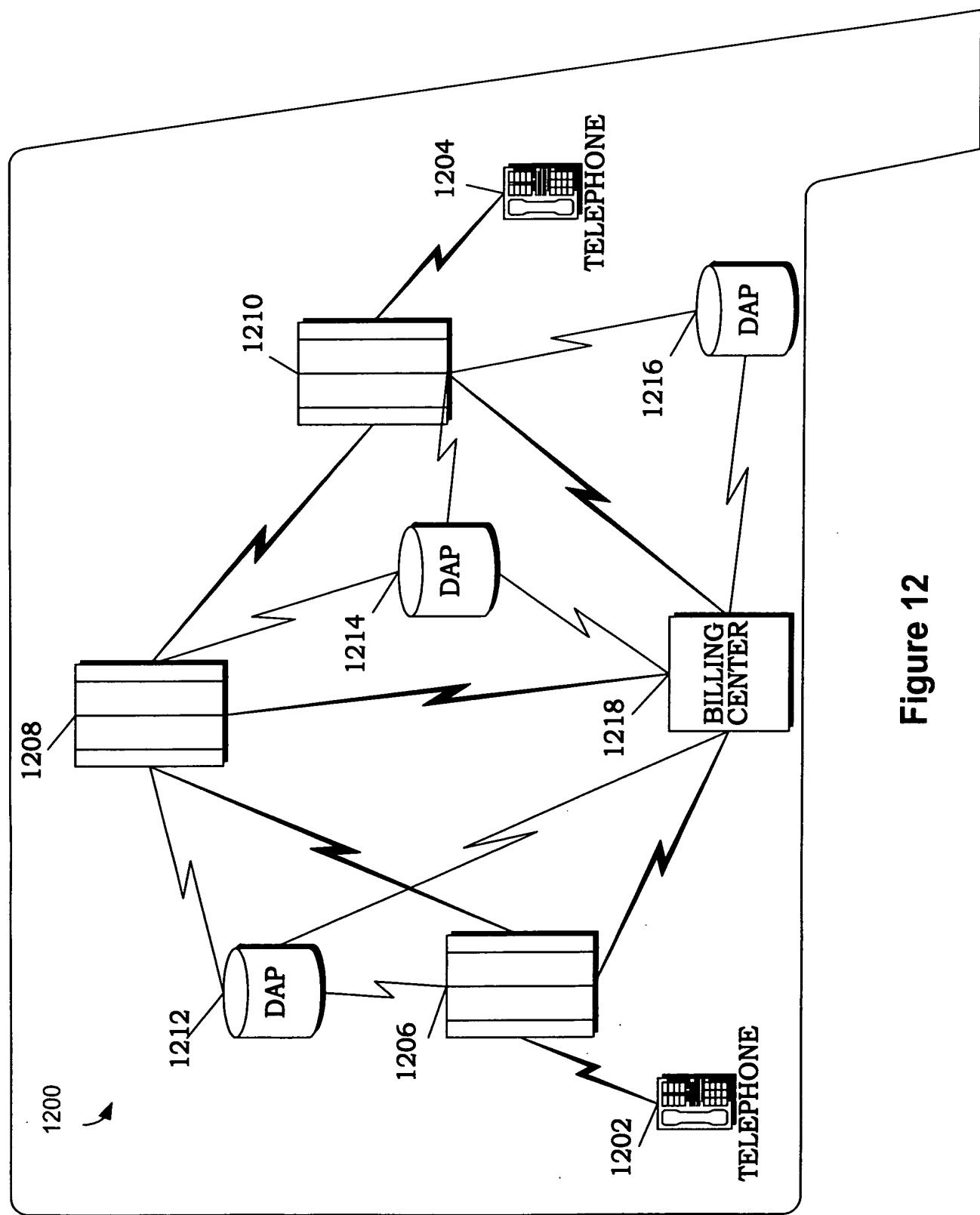


Figure 12

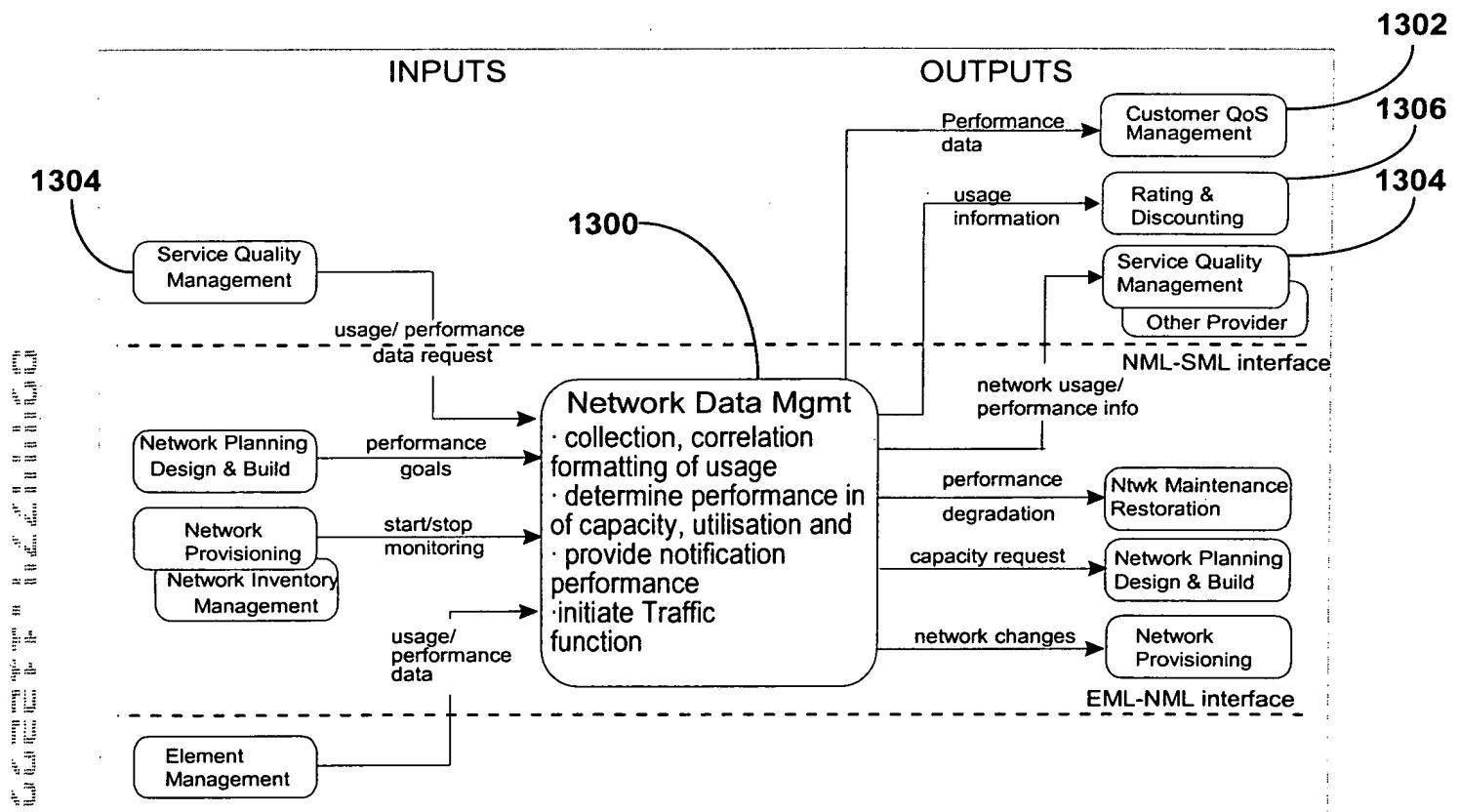


Figure 13

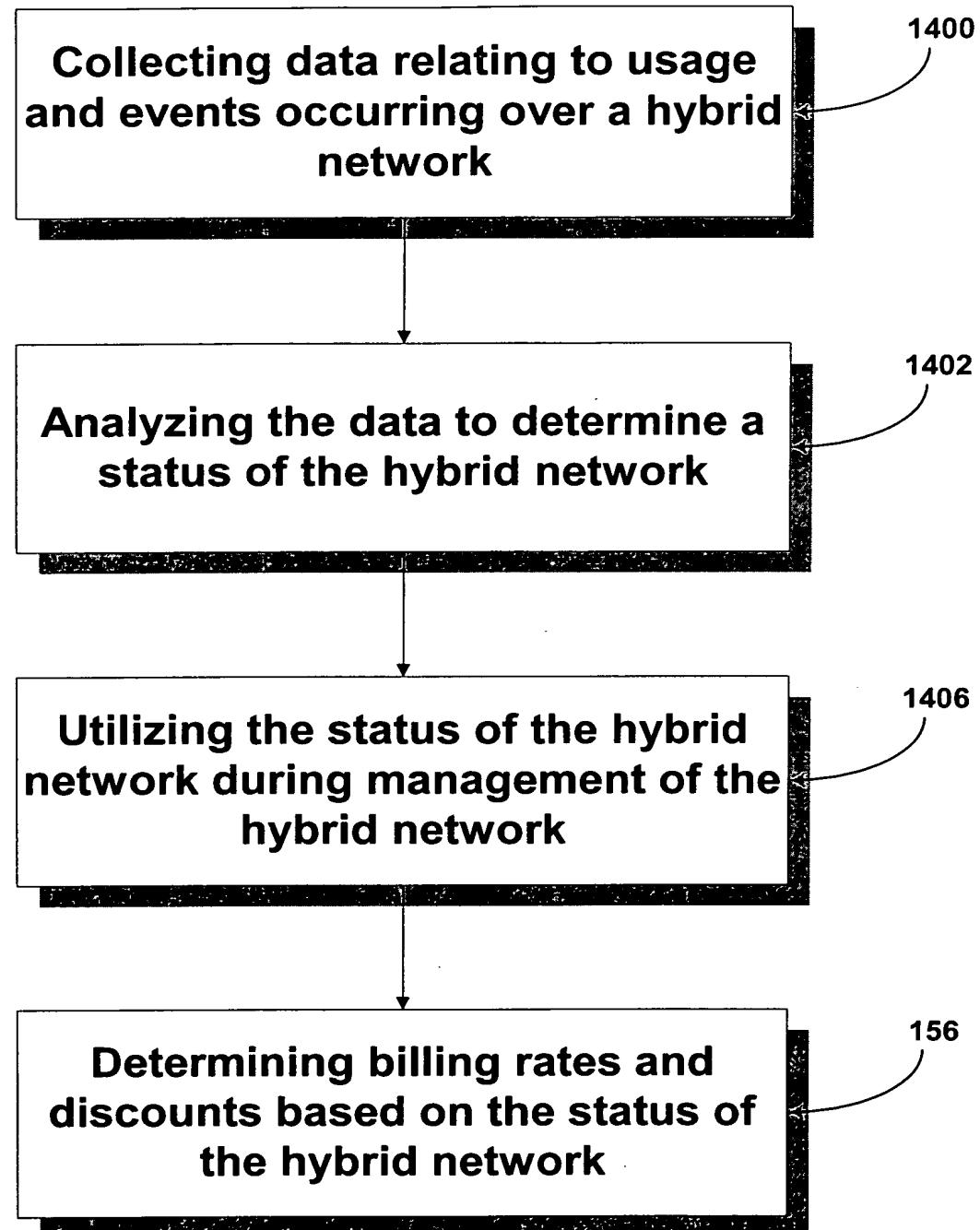


Figure 14

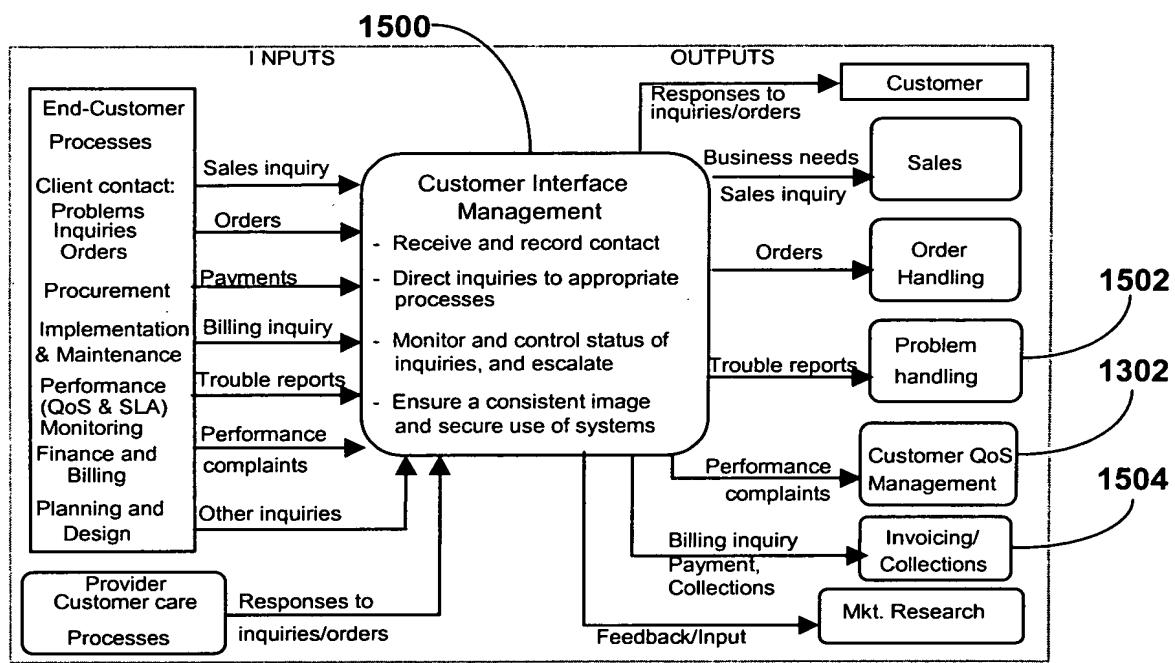


Figure 15

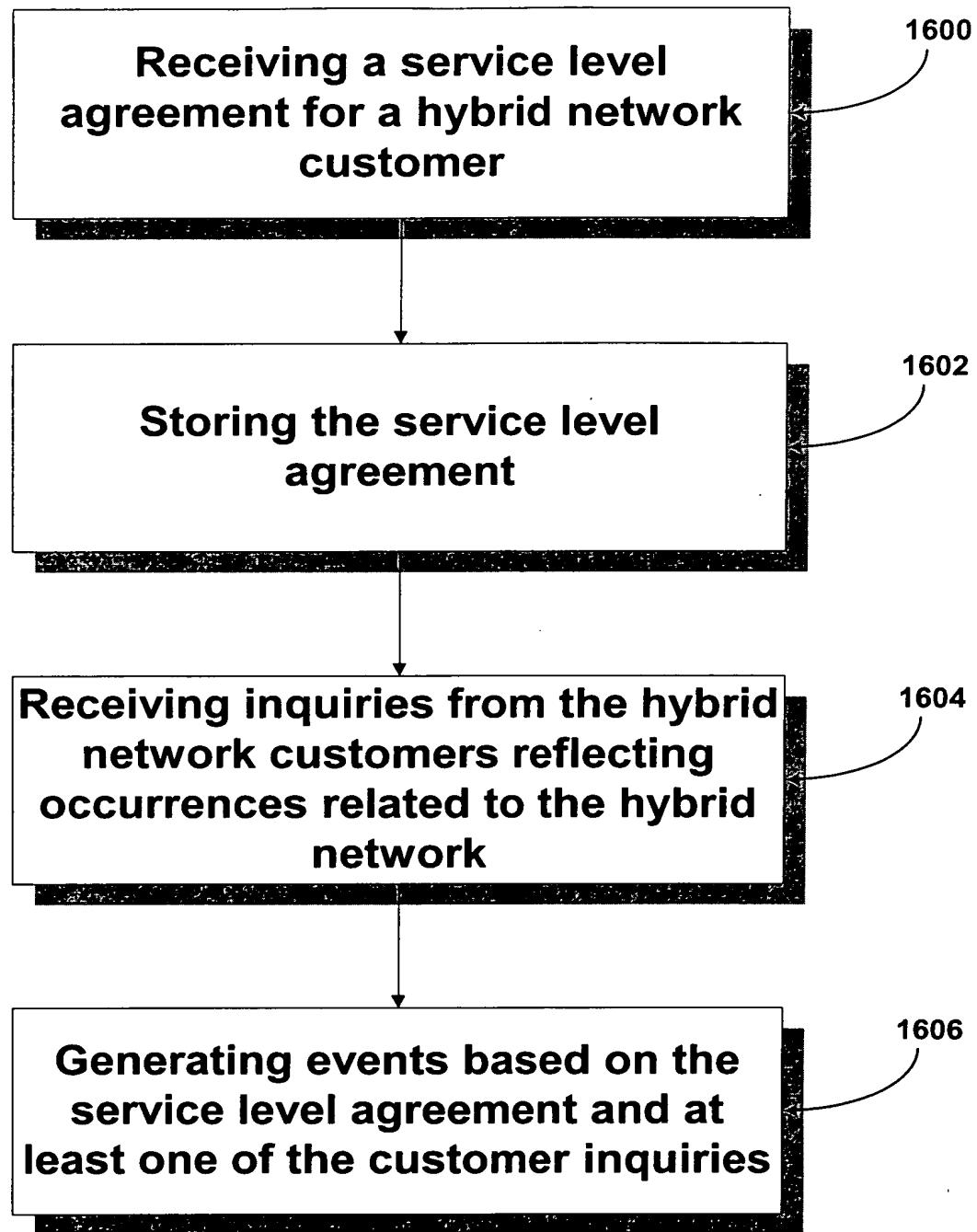


Figure 16

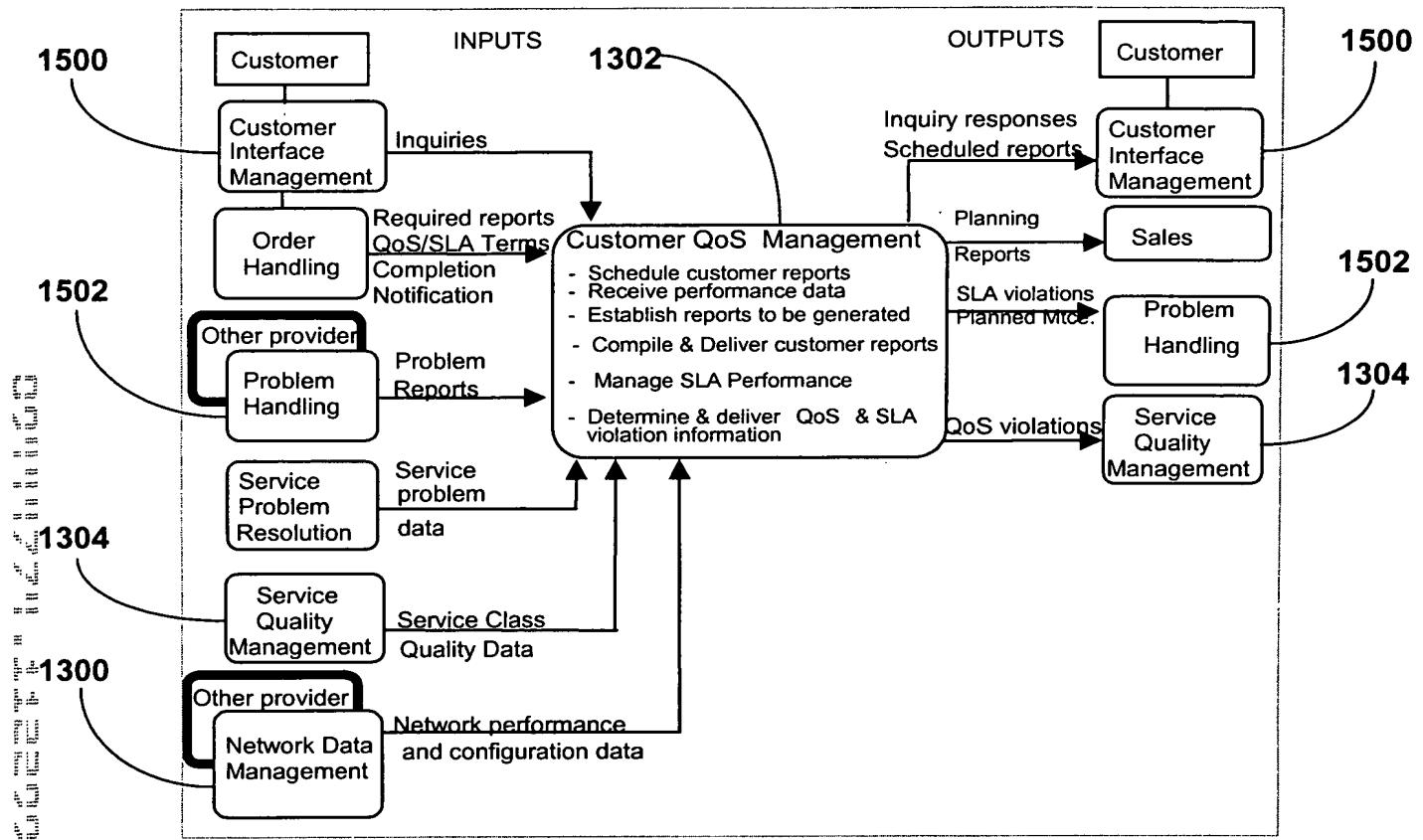


Figure 17

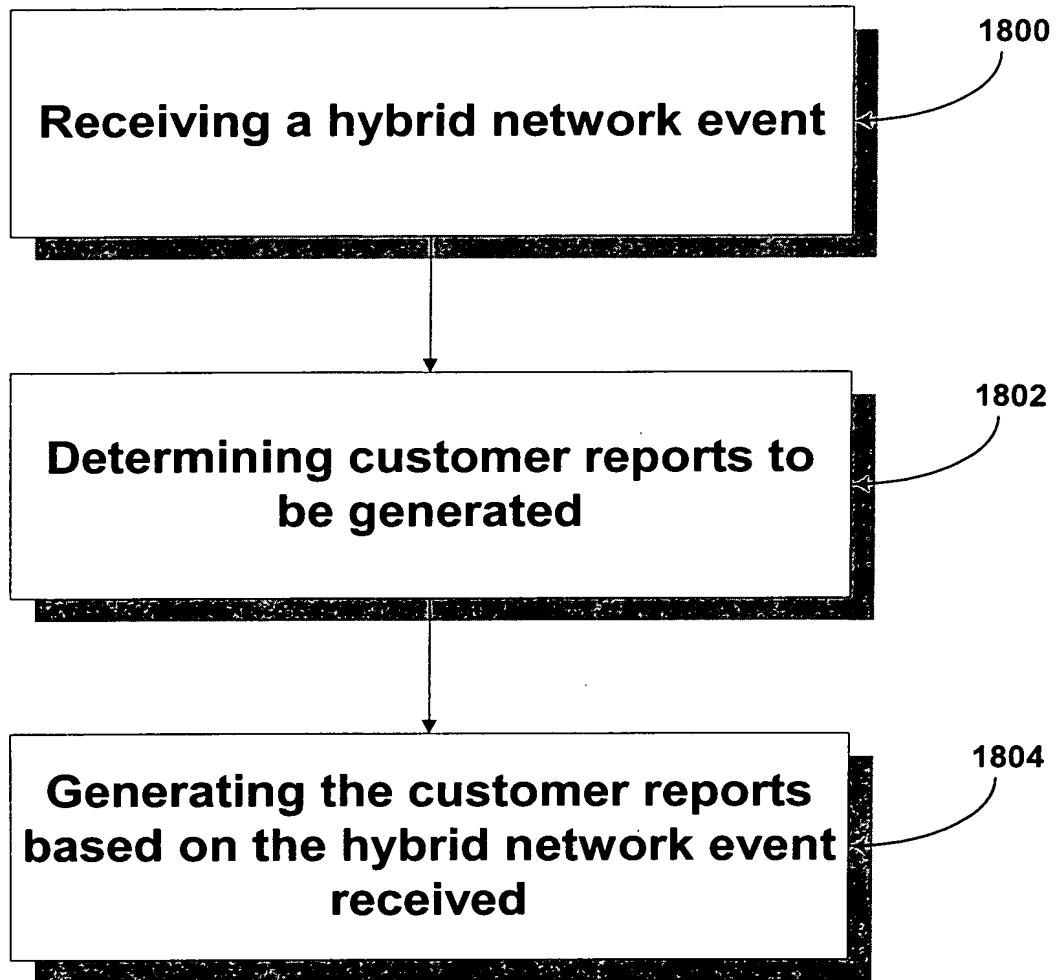


Figure 18

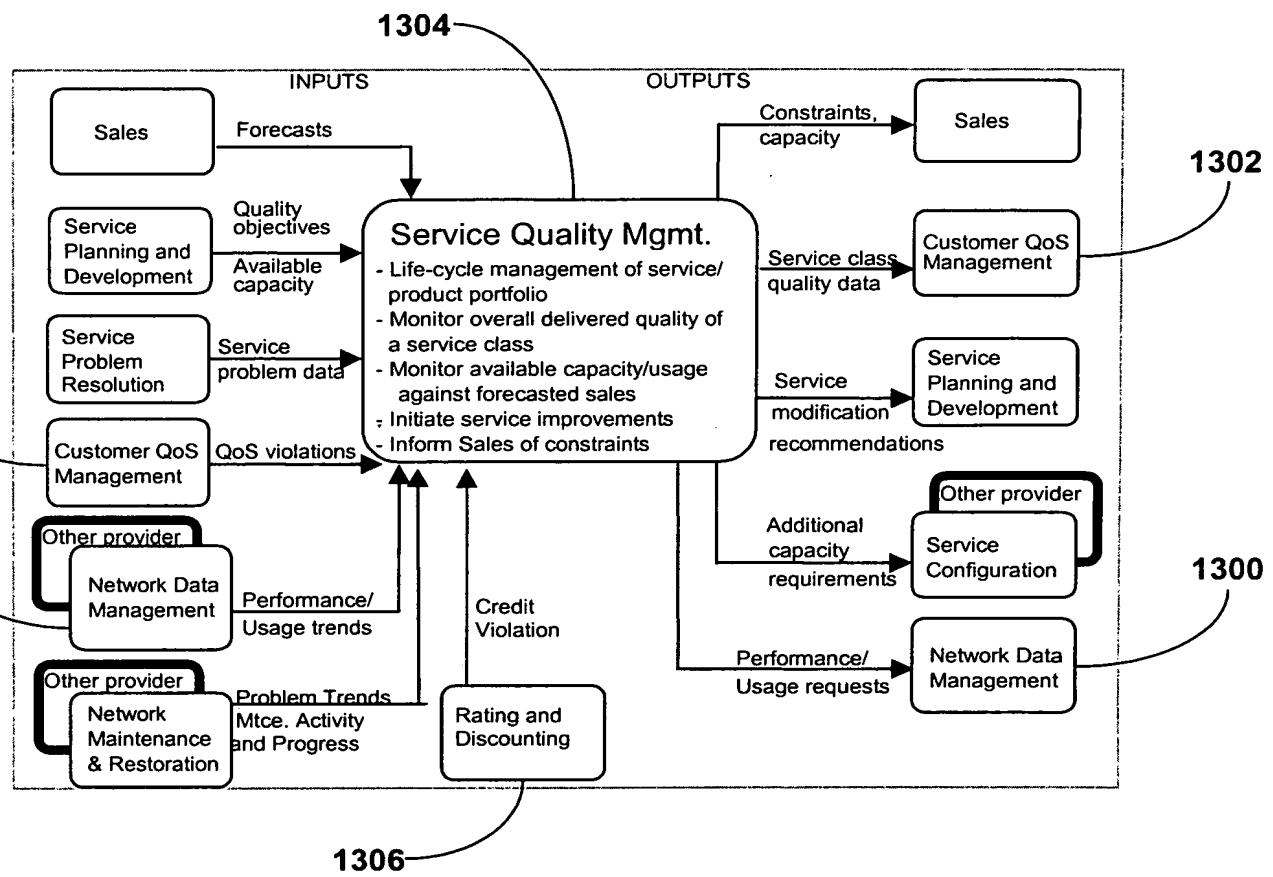


Figure 19

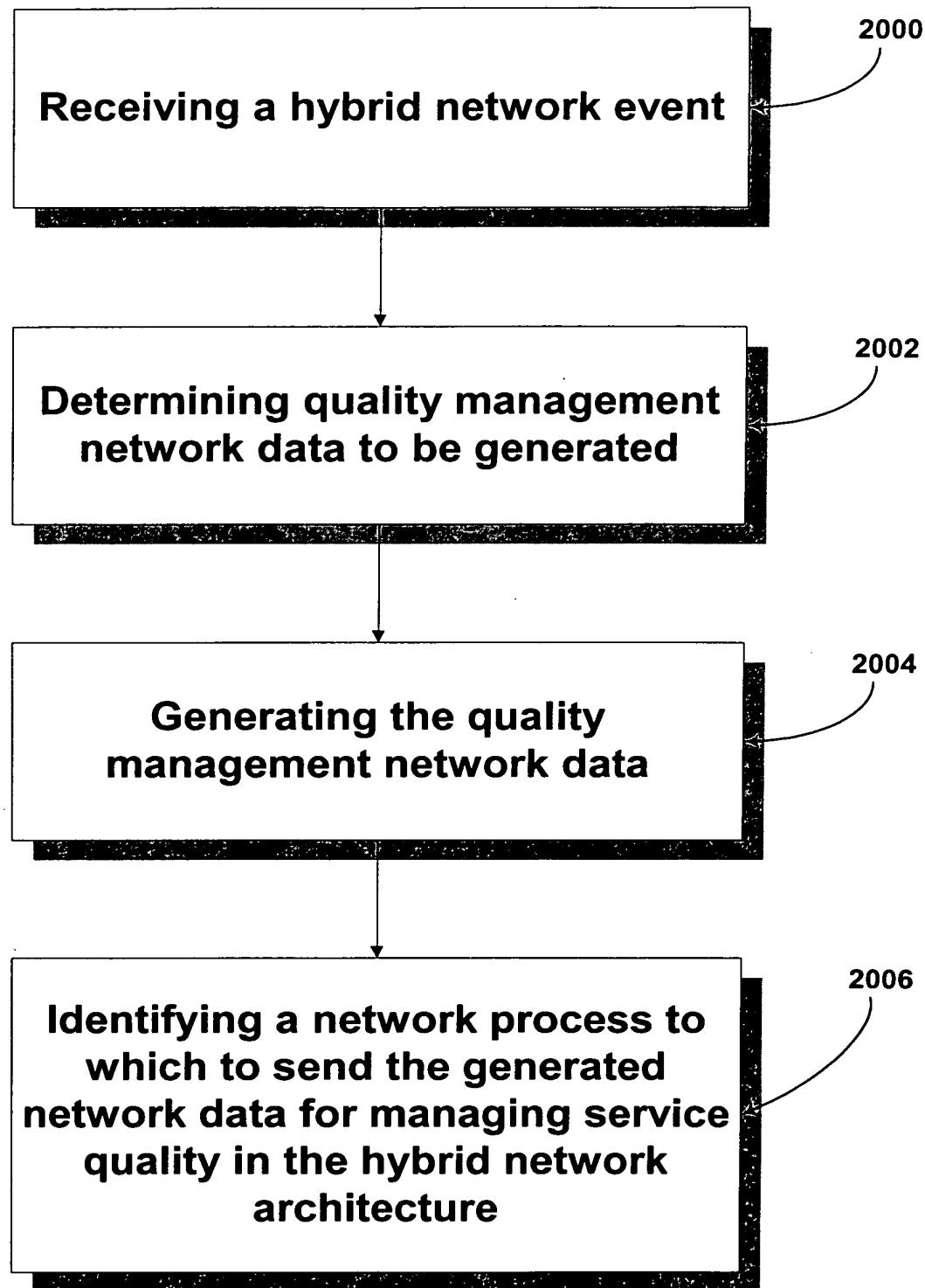


Figure 20

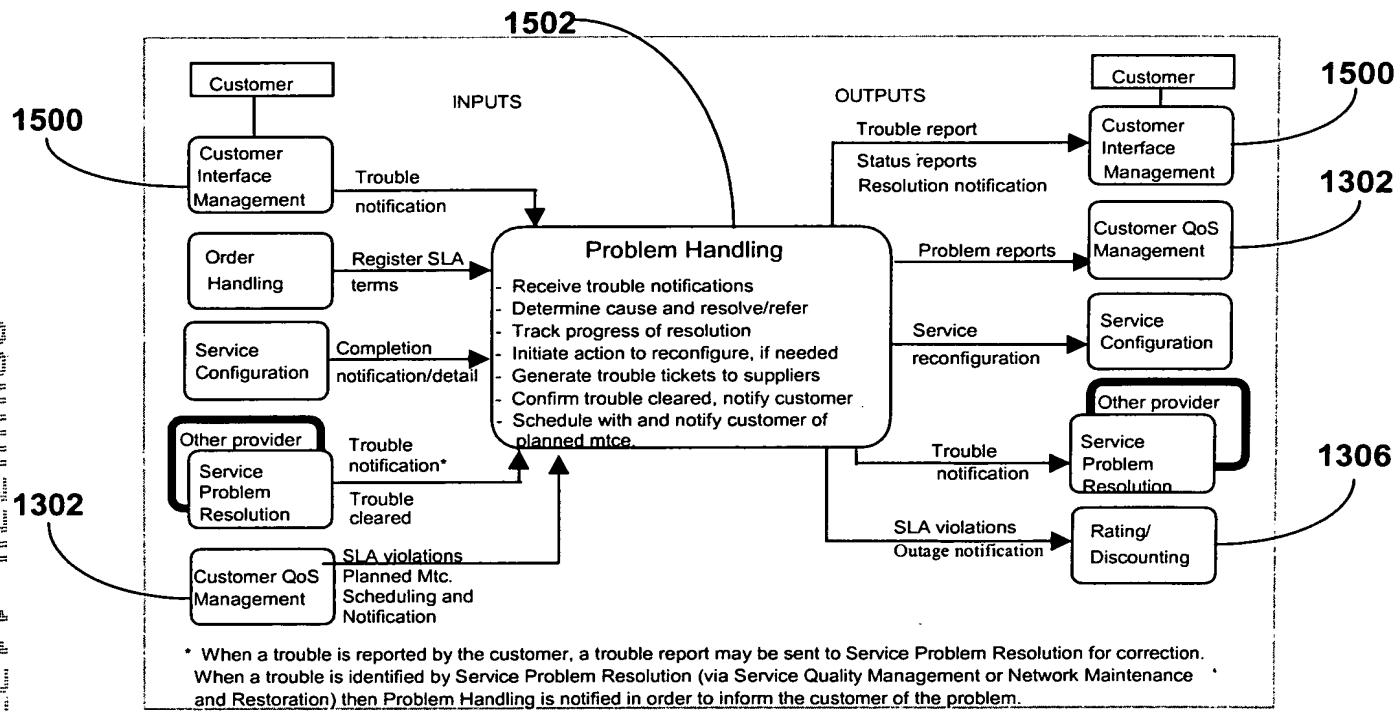


Figure 21

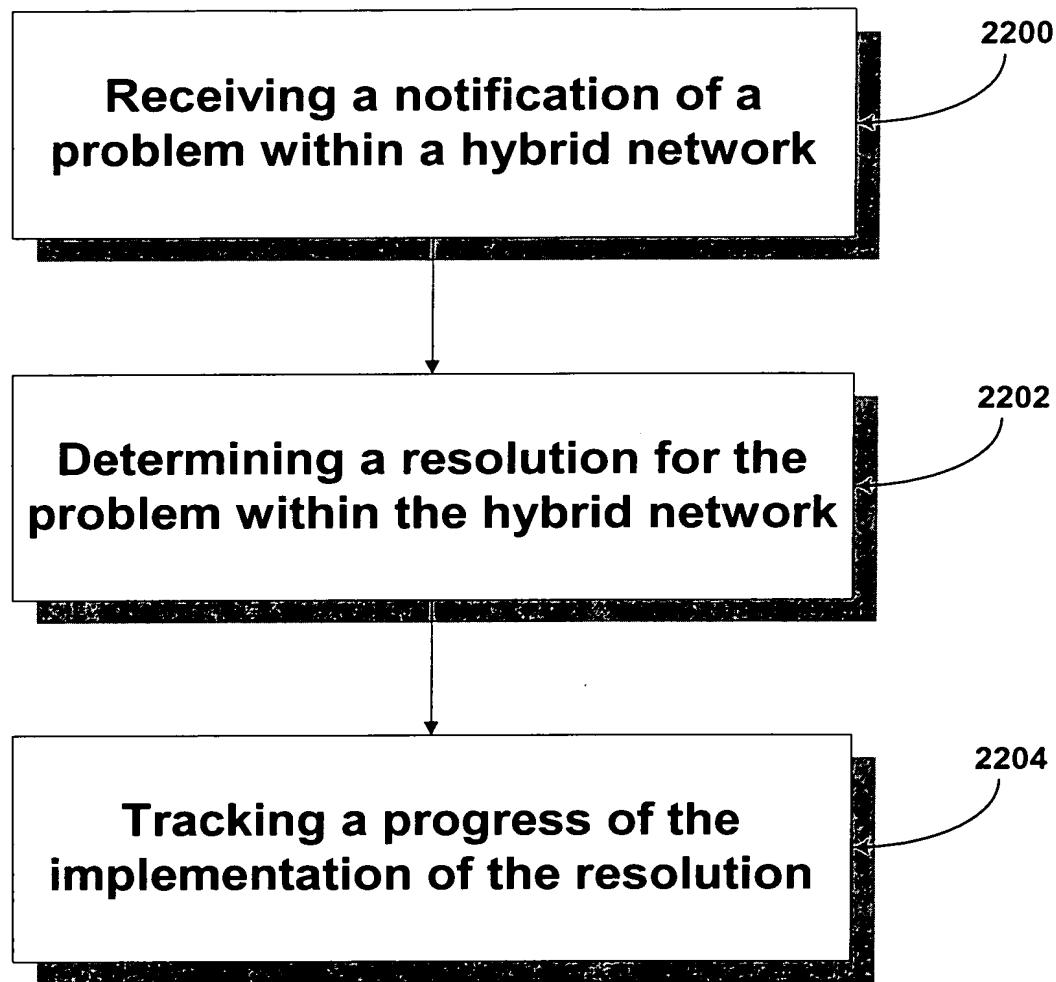


Figure 22

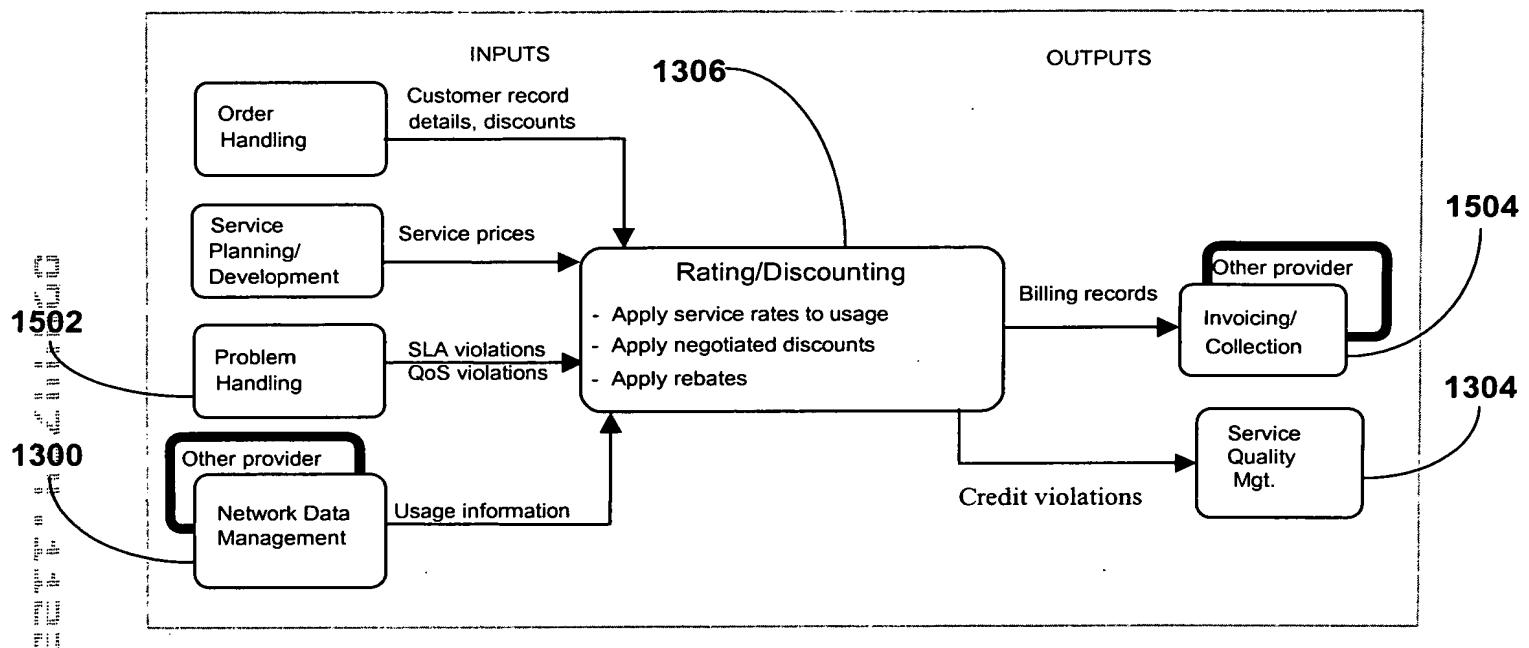


Figure 23

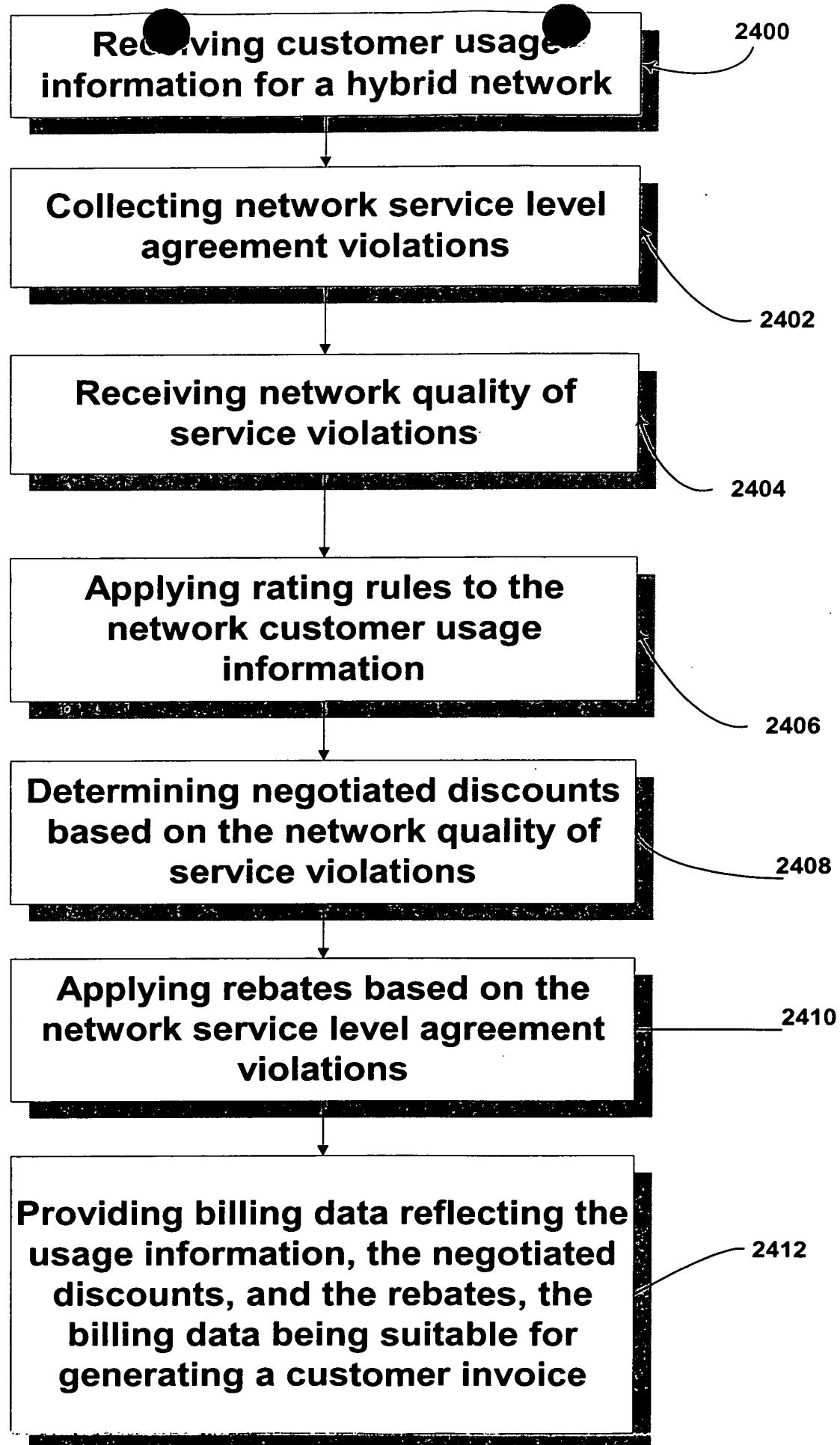


Figure 24

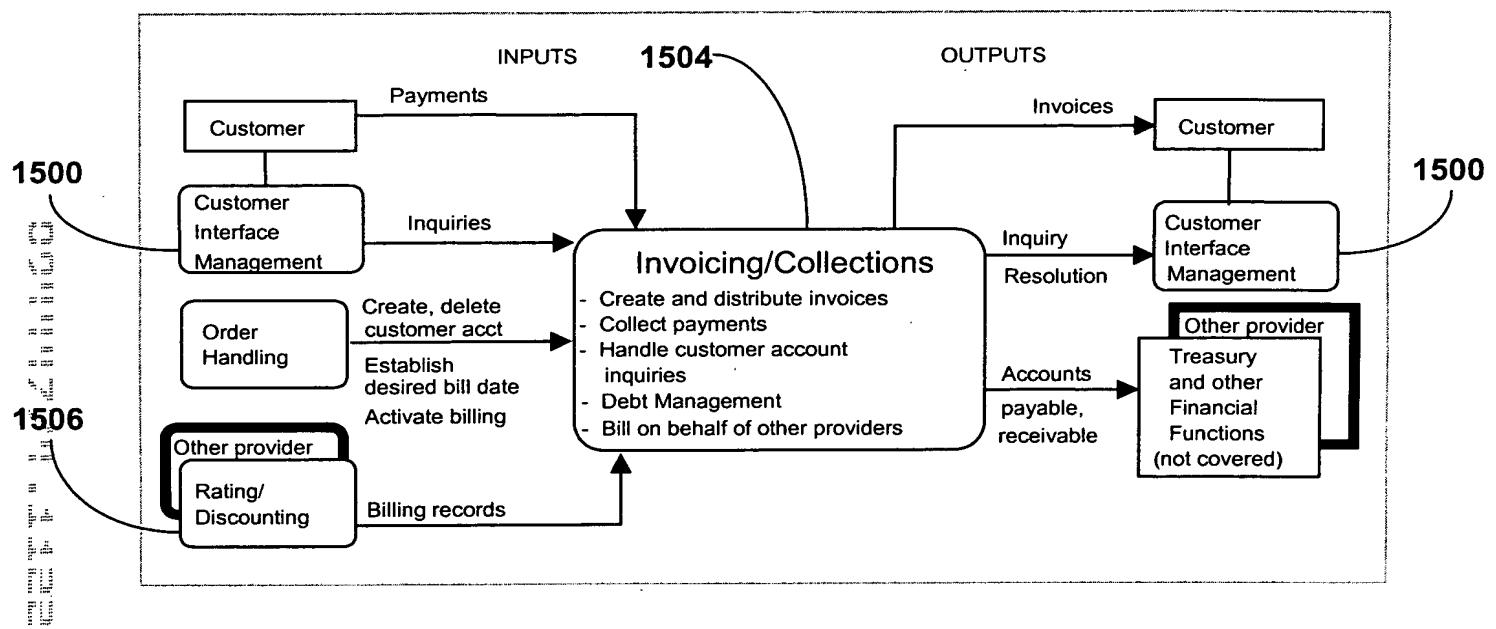


Figure 25

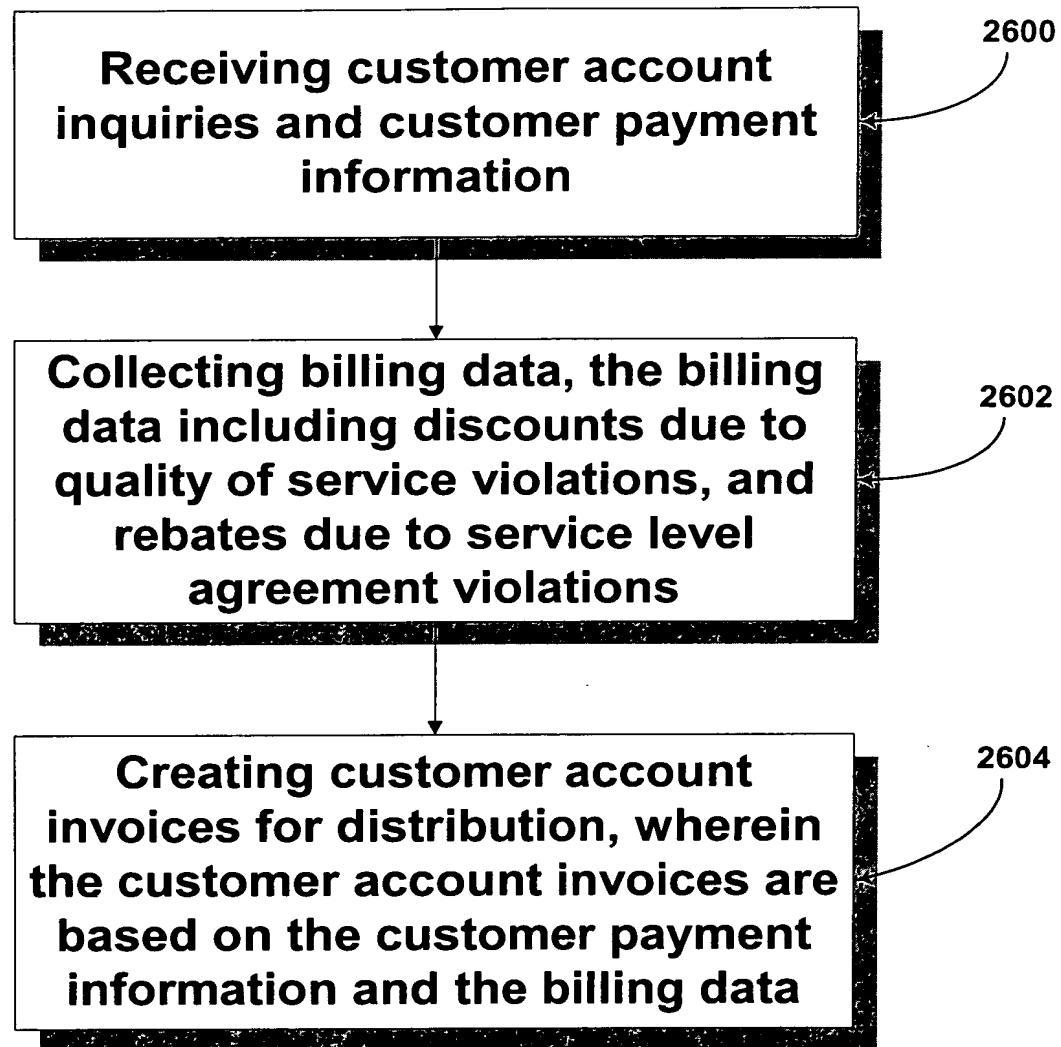


Figure 26

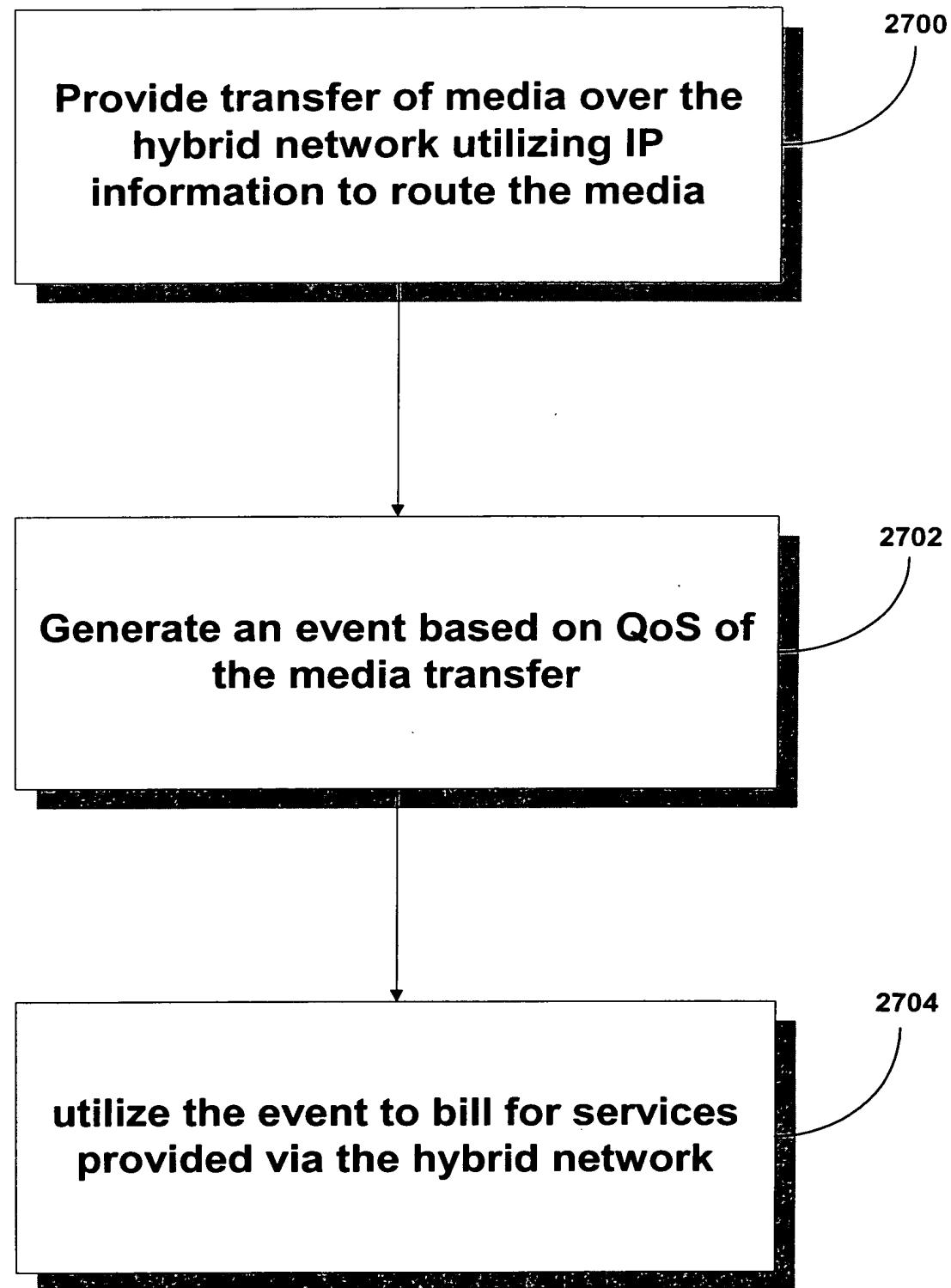


Figure 27

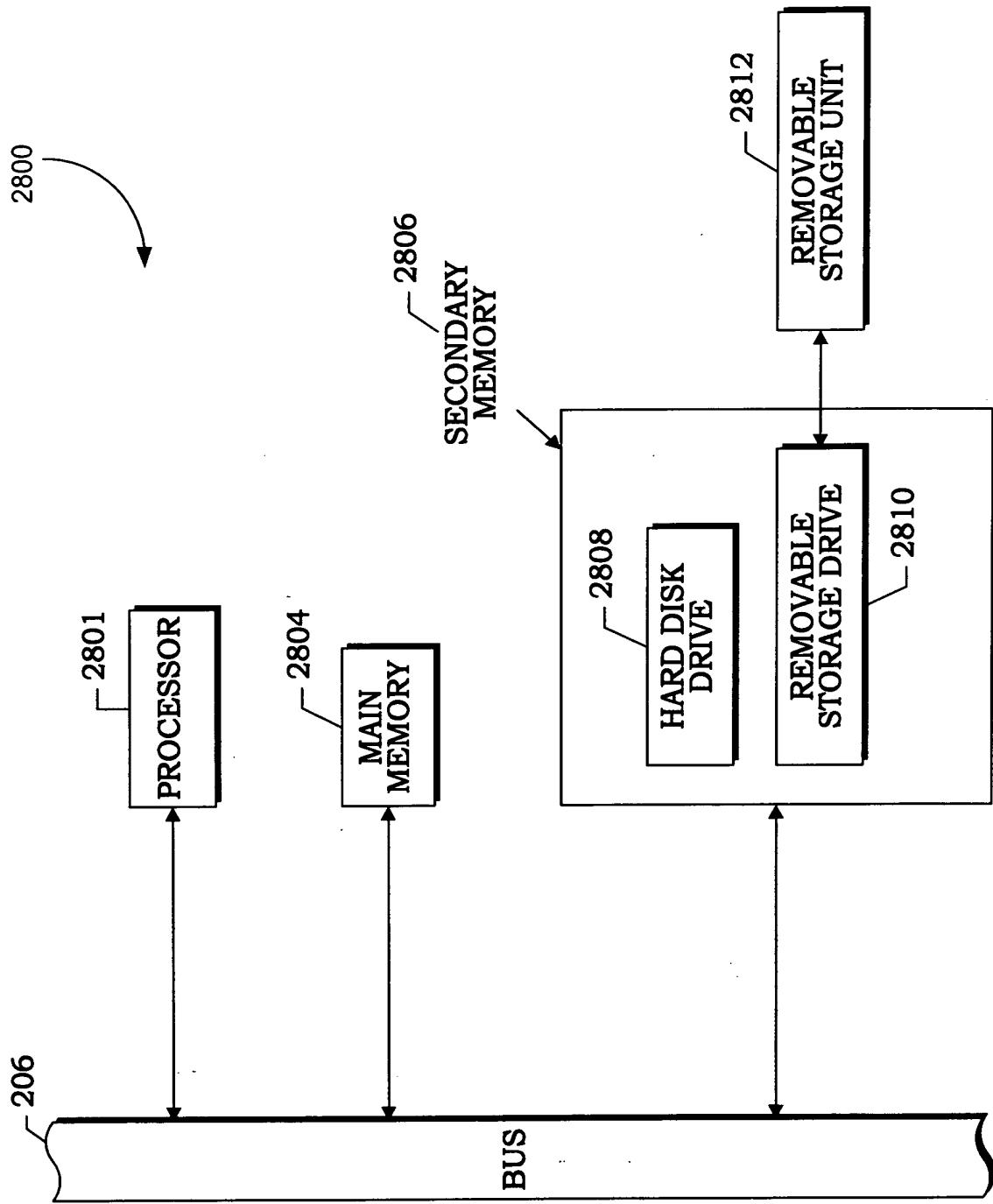


Figure 28

	MSB								LSB																								
	BITS 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15																																
WORD 00	CR ID				CD ID																												
01	TP1 BITS 0-15																																
02	TP1 BITS 16-31																																
03	TP3 BITS 0-12											TP6 0-2																					
04	TP6 BITS 3-12								TP7 BITS 0-5																								
05	TP7 BITS 6-21																																
06	OPL. ORIGINATING PORT 0-15																																
07	OP	TPL. TERMINATING PORT 0-14																															
08	TP	OTG. ORIGINATING TRUNK GROUP											TT																				
09	TERMINATING TRUNK GROUP (1-12)															TP3Q																	
10	TP6Q	ACTION CODE				OTC				TTC																							
11	ID1		ID2		ANI INDEX																												
12	CLI 1		CLI 2		CLI 3		CLI 4																										
13	CLI 5		CLI 6		CLI 7		CLI 8																										
14	CLI 9		CLI 10		A1		A2																										
15	A3		A4		A5		A6																										
16	A7		A8		A9		A10																										
17	A11		A12		A13		A14																										
18	A15		A16		A17		A18																										
19	A19		A20		A21		A22																										
20	D1		D2		D3		D4																										
21	D5		D6		D7		D8																										
22	D9		D10		D11		D12																										
23	D13		D14		D15		D16																										
24	D17		PTD1		PTD2		PTD3																										
25	PTD4		PTD5		PTD6		PTD7																										
26	PTD8		PTD9		PTD10																												
27	FC		TMC		KAT		TP7Q																										
28	EC, ENTRY CODE				PD		ND ID		DIVID																								
29	D0	CC	IN	SC	CD	DE	DT		SA		NOCLI																						
30	CN1		CN2		CN3		CN4																										
31	ACIF		SS7 RELEASE CODE		NCIDSEQ		NLRS																										

BIT 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15

Figure 29

MSB LSB

WORD	BIT	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
WORD 00	00	CR ID		CD ID													
	01	TP1 BITS 0-15															
	02	TP1 BITS 16-31															
	03	TP3 BITS 0-12										TP6 0-2					
	04	TP6 BITS 3-12									TP7 BITS 0-5						
	05	TP7 BITS 6-21															
	06	OPL. ORIGINATING PORT 0-15															
	07	OP	TPL. TERMINATING PORT 0-14														
	08	TP	OTG. ORIGINATING TRUNK GROUP											TT			
	09	TERMINATING TRUNK GROUP (1-12)														TP3Q	
	10	TP6Q	ACTION CODE				OTC				TTC						
	11	ID1		ID2		ANI INDEX											
	12	CLI 1		CLI 2		CLI 3				CLI 4							
	13	CLI 5		CLI 6		CLI 7				CLI 8							
	14	CLI 9		CLI 10		CLI11				CLI12							
	15	CLI13		CLI14		CLI15				A1							
	16	A2		A3		A4				A5							
	17	A6		A7		A8				A9							
	18	A10		A11		A12				A13							
	19	A14		A15		A16				A17							
	20	A18		A19		A20				A21							
	21	A22		A23		A24				A25							
	22	A26		A27		A28				A29							
	23	A30		A31		A32				A33							
	24	A34		A35		A36				A37							
	25	A38		A39		A40				A41							
	26	A42		A43		A44				A45							
	27	FC		TMC		KAT				TP7Q							
	28	EC, ENTRY CODE				PD		ND ID			DIVID						
	29	DO	MNCC	IN	SCCDDEDT		SA			NOCLI							
	30	CN1		CN2		CN3				CN4							
31	ACIF		SS7 RELEASE CODE				NCIDSEQ		NLRS								

BIT 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15

Figure 30

	MSB				LSB															
WORD	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15				
32																				
33																				
34	ID1		ID2			ID3				ID4										
35	ID5		ID6			ID7				ID8										
36	ID9		ID10			ID11				ID12										
37	ID13		ID14			ID15				ID16										
38	ID17		ID18			ID19				ID20										
39	ID21		ID22			ID23				ID24										
40	ID25		PTD1			PTD2				PTD3										
41	PTD4		PTD5			PTD6				PTD7										
42	PTD8		PTD9			PTD10				PTD11										
43	PTD12		PTD13			PTD14				PTD15										
44	EIR CALL TYPE				OVFAL					CB										
45	OVFCL		DTA 1			DTA 2				DTA 3										
46	DTA 4		DTA 5			DTA 6				DTA 7										
47	DTA 8		DTA 9			DTA 10				DTA 11										
48	DTA 12		DTA 13			DTA 14				DTA 15										
49	OVFC		DTAC							NCID										
50	NETWORK CALL IDENTIFIER (NCID)																			
51	NETWORK CALL IDENTIFIER (NCID)																			
52	NETWORK CALL IDENTIFIER (NCID)																			
53	NETWORK CALL IDENTIFIER (NCID)																			
54	NETWORK CALL IDENTIFIER (NCID)																			
55																				
56																				
57																				
58																				
59										OUS TYPE	OUIE									
60	OUIE COUNT CONT.												OVFCS							
61	ORIGINATING NX64 BITMAP (1-16)																			
62	ORIG NX64 BITMAP(17-24)								TERM NX64 BITMAP(17-24)											
63	TERMINATING NX64 BITMAP(9-24)																			
BIT	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15				

Figure 31

	MSB															LSB																							
	BITS 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15																																						
WORD 00	CR ID								CD ID																														
01	TP1 BITS 0-15																																						
02	TP1 BITS 16-31																																						
03	TP4 BITS 0-12																TP6 0-2																						
04	TP6 BITS 3-12																TP7 BITS 0-5																						
05	TP7 BITS 6-21																																						
06	OPL. ORIGINATING PORT 0-15																																						
07	OP	TPL. TERMINATING PORT 0-14																																					
08	TP	OTG. ORIGINATING TRUNK GROUP																TT																					
09	TERMINATING TRUNK GROUP (1-12)																TP3Q																						
10	TP6Q	ACTION CODE								OTC								TTC																					
11	ID1				ID2				ONACC				TNACC																										
12	CLI 1				CLI 2				CLI 3				CLI 4																										
13	CLI 5				CLI 6				CLI 7				CLI 8																										
14	CLI 9				CLI 10				A1				A2																										
15	A3				A4				A5				A6																										
16	A7				A8				A9				A10																										
17	A11				A12				A13				A14																										
18	A15				A16				A17				A18																										
19	A19				A20				A21				A22																										
20	D1				D2				D3				D4																										
21	D5				D6				D7				D8																										
22	D9				D10				D11				D12																										
23	D13				D14				D15				D16																										
24	D17																OPIN																						
25	OPIN	TPS BITS 0-12																																					
26	RN1				RN2				RN3				RN4																										
27	FC				TMC				KAT				TP7Q																										
28	EC, ENTRY CODE								PD				ND ID					DIVID																					
29	D0	CC	IN		SC	CD	DE	DT	PP	XCSA								NOCLI																					
30	CN1				CN2				CN3				CN4																										
31	ACIF				SS7 RELEASE CODE																NCIDSEQ				NLRS														

BITS 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15

Figure 32

	MSB								LSB																								
	BITS 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15																																
WORD 00	CR ID				CD ID																												
01	TP1 BITS 0-15																																
02	TP1 BITS 16-31																																
03	TP4 BITS 0-12											TP6 0-2																					
04	TP6 BITS 3-12								TP7 BITS 0-5																								
05	TP7 BITS 6-21																																
06	OPL. ORIGINATING PORT 0-15																																
07	OP	TPL. TERMINATING PORT 0-14																															
08	TP	OTG. ORIGINATING TRUNK GROUP											TT																				
09	TERMINATING TRUNK GROUP (1-12)											TP3Q																					
10	TP6Q	ACTION CODE				OTC				TTC																							
11	ID1		ID2		ONACC				TNACC																								
12	CLI 1		CLI 2		CLI 3				CLI 4																								
13	CLI 5		CLI 6		CLI 7				CLI 8																								
14	CLI 9		CLI 10		CLI 11				CLI 12																								
15	CLI 13		CLI 14		CLI 15				A1																								
16	A2		A3		A4				A5																								
17	A6		A7		A8				A9																								
18	A10		A11		A12				A13																								
19	A14		A15		A16				A17																								
20	A18		A19		A20				A21																								
21	A22		A23		A24				A25																								
22	A26		A27		A28				A29																								
23	A30		A31		A32				A33																								
24	A34		A35		A36				A37																								
25	A38		A39		A40				A41																								
26	A42		A43		A44				A45																								
27	FC		TNC		KAT				TF7Q																								
28	EC, ENTRY CODE				PD				ND ID				DIVID																				
29	DO	MM	CC	IN	SC	CD	DE	DT	PP	XC	SA		NOCLI																				
30	CN1		CN2		CN3				CN4																								
31	ACIF		SS7 RELEASE CODE				NCIDSEQ				NLRS																						

BITS 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15

EOSR/EPOSR FORMAT

Figure 33

	MSB				LSB																											
BITS	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15																
32	T&C GUEST 1				T&C GUEST 2																											
33	T&C GUEST 3				T&C GUEST 4																											
34	ID1	ID2		ID3		ID4																										
35	ID5	ID6		ID7		ID8																										
36	ID9	ID10		ID11		ID12																										
37	ID13	ID14		ID15		ID16																										
38	ID17	ID18		ID19		ID20																										
39	ID21	ID22		ID23		ID24																										
40	ID25	PTD1		PTD2		PTD3																										
41	PTD4	PTD5		PTD6		PTD7																										
42	PTD8	PTD9		PTD10		PTD11																										
43	PTD12	PTD13		PTD14		PTD15																										
44	EIR CALL TYPE				OVFAL				CB																							
45	OVFCL	DTA 1		DTA 2		DTA 3																										
46	DTA 4	DTA 5		DTA 6		DTA 7																										
47	DTA 8	DTA 9		DTA 10		DTA 11																										
48	DTA 12	DTA 13		DTA 14		DTA 15																										
49	OVFC				DTAC				NCID																							
50	NETWORK CALL IDENTIFIER (NCID)																															
51	NETWORK CALL IDENTIFIER (NCID)																															
52	NETWORK CALL IDENTIFIER (NCID)																															
53	NETWORK CALL IDENTIFIER (NCID)																															
54	NETWORK CALL IDENTIFIER (NCID)																															
55	T&C ROOM 1				T&C ROOM 2																											
56	T&C ROOM 3				T&C ROOM 4																											
57	T&C ROOM 5				T&C ROOM 6																											
58	EAC1	EAC2		EAC3		EAC4																										
59	EAC5	EAC6		EAC7		EAC8																										
60	EAC9	EAC10		EAC11		EAC12																										
61	OPIN												OVFCS																			
62	TP5-OPERATOR RELEASE																															
63	RN1	RN2		RN3		RN4																										

BIT 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15

Figure 34

	BIT	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	MSB	LSB
WORD 00																			
	01	CR ID	SYNC WORD (MINUS 2, OCTAL 7776)																
	02	CDID, CALL DISCONNECT I.D. NUMBER (0-15)																	
	03	CDID, CALL DISCONNECT I.D. NUMBER (16-31)																	
	04	SWID 1	SWID 2	SWID 3															
	05	ST-SWITCH TYPE	EQ-EVENT QUALIFIER																
	06	SERIT-SER EVENT TIME (0-15)	SERIT-SER EVENT TIME (16-31)																
	07		FCDID-FIRST RECORD CDID (12 LSAs)																
	08		LCDID-LAST RECORD CDID (12 LSAs)																
	09		NCDID-NEXT RECORD CDID (12 LSAs)																
	10		NBSN-NEMAS BLOCK SEQUENCE NUMBER																
	11		PT-PREVIOUS TIME (0-15)																
	12		PT-PREVIOUS TIME (16-31)																
	13	SI	TIME OFFSET																
	14																		
	15																		
	16	SOFTWARE LOAD ID1	SOFTWARE LOAD ID2																
	17	SOFTWARE LOAD ID3	SOFTWARE LOAD ID4																
	18	SOFTWARE LOAD ID5	SOFTWARE LOAD ID6																
	19	LAST PATCHS/PR RLS1	LAST PATCHS/PR RLS2																
	20	QCDR	QSCDR																
	21	QPMR	QSPMR																
	22	QOSR	QSOSR																
	23	QPOSR	QSPOSR																
	24	QSER	CNPN																
	25		CDR THROTTLE START TIME (0-15)																
	26		CDR THROTTLE START TIME (16-31)																
	27		CDR THROTTLE STOP TIME (0-15)																
	28		CDR THROTTLE STOP TIME (16-31)																
	29			FORMAT VER.															
	30		THROTTLE COUNT (0-15)																
	31		THROTTLE COUNT (16-31)																

BIT 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15

Figure 35

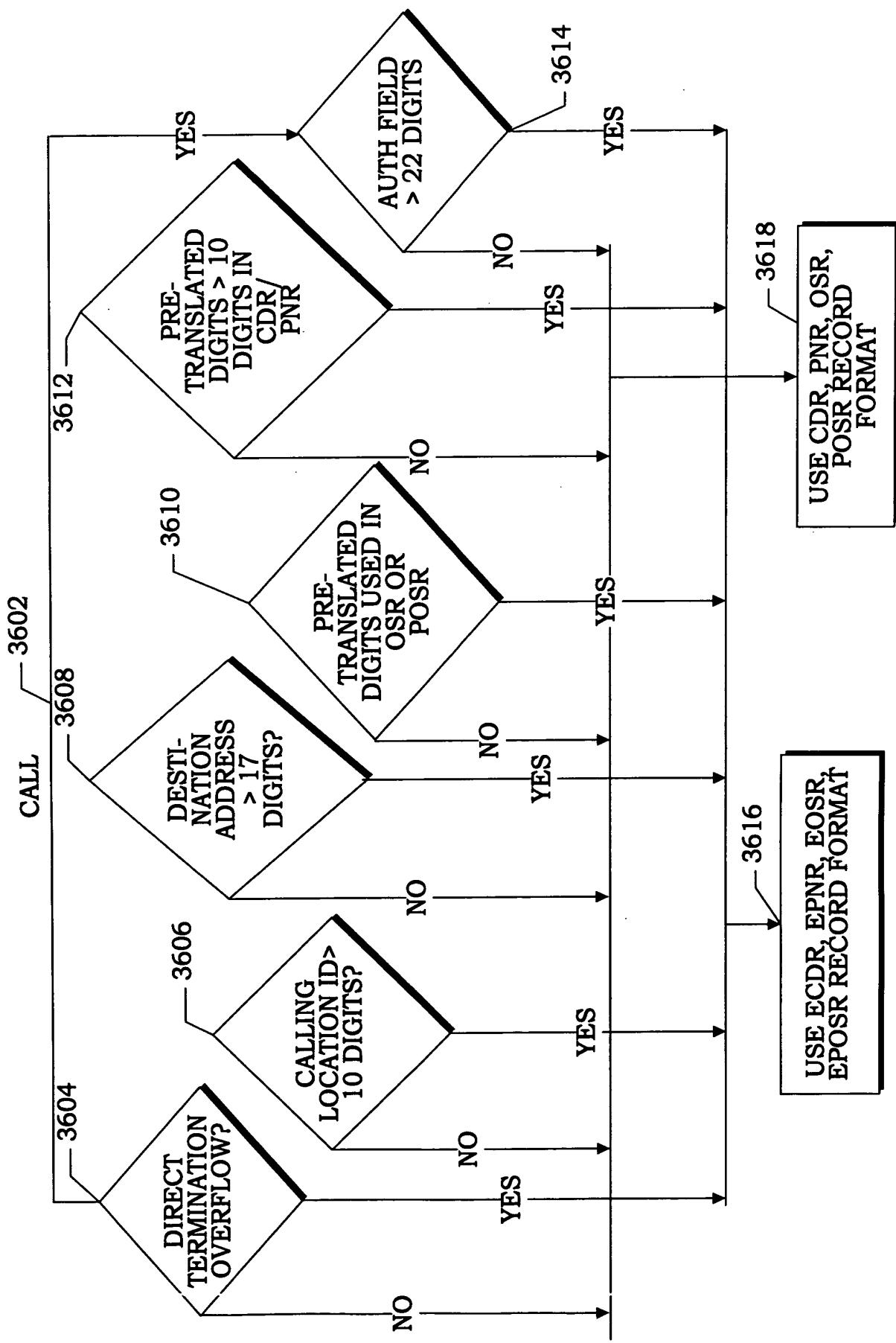


Figure 36

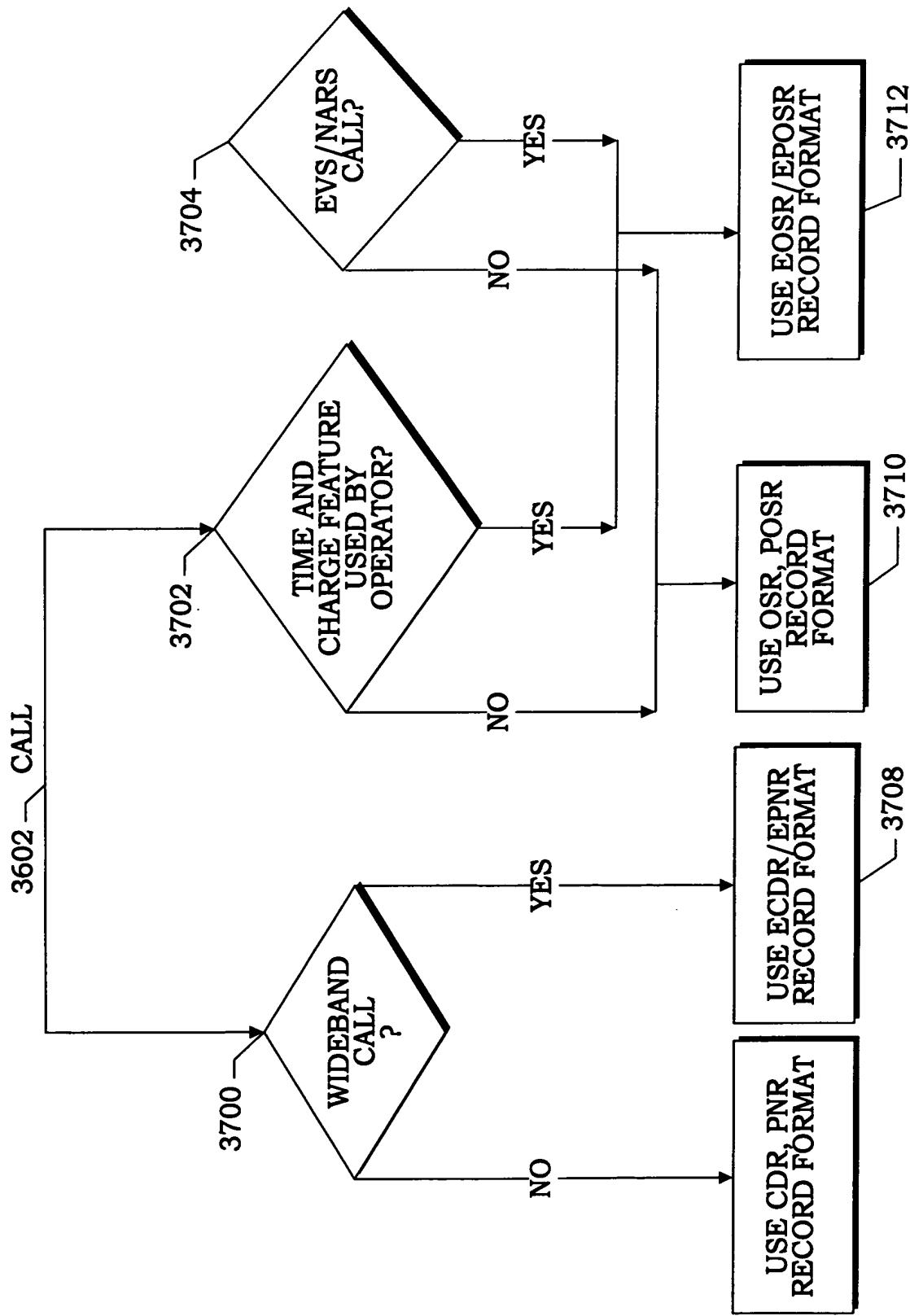


Figure 37

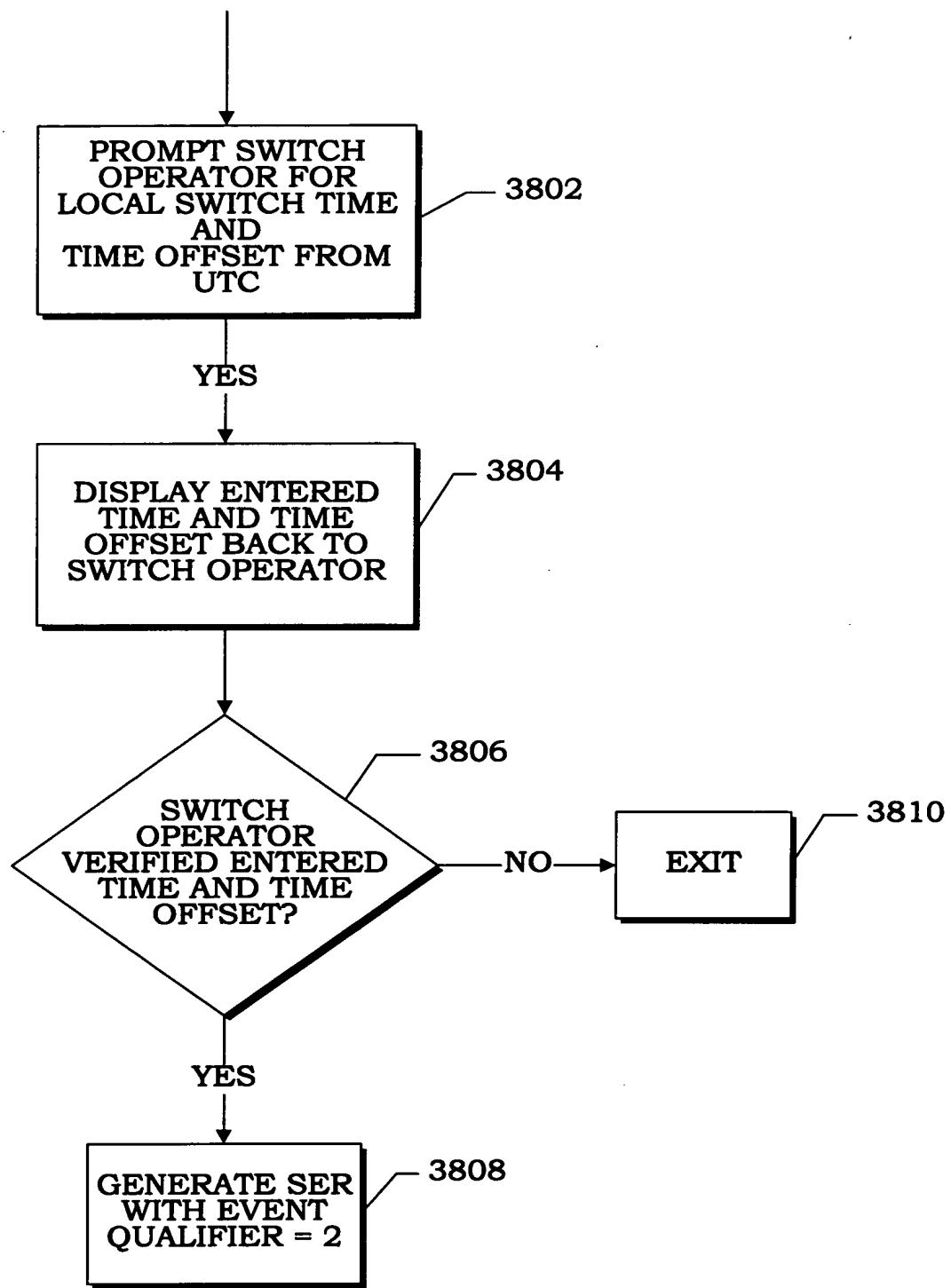


Figure 38

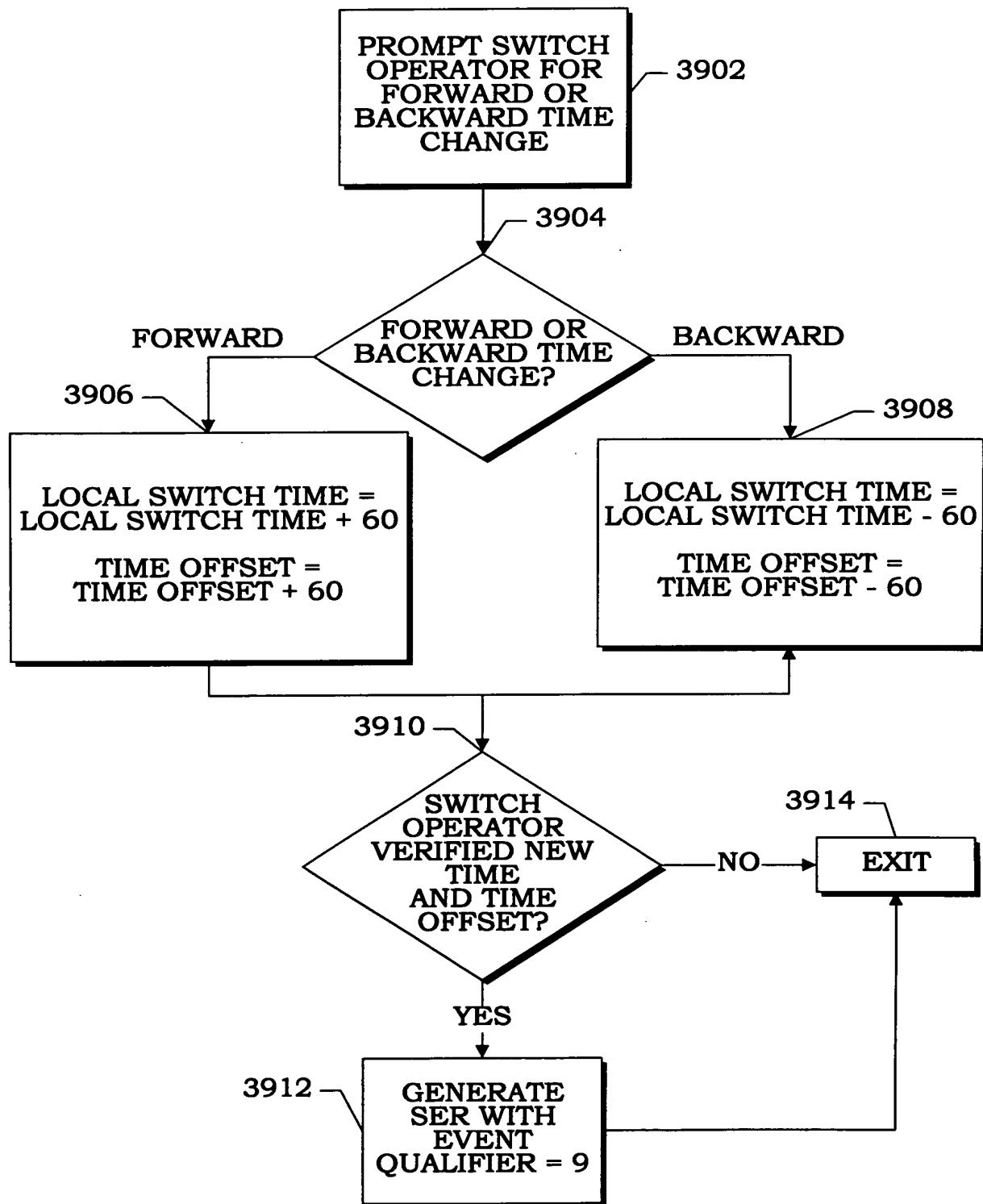


Figure 39

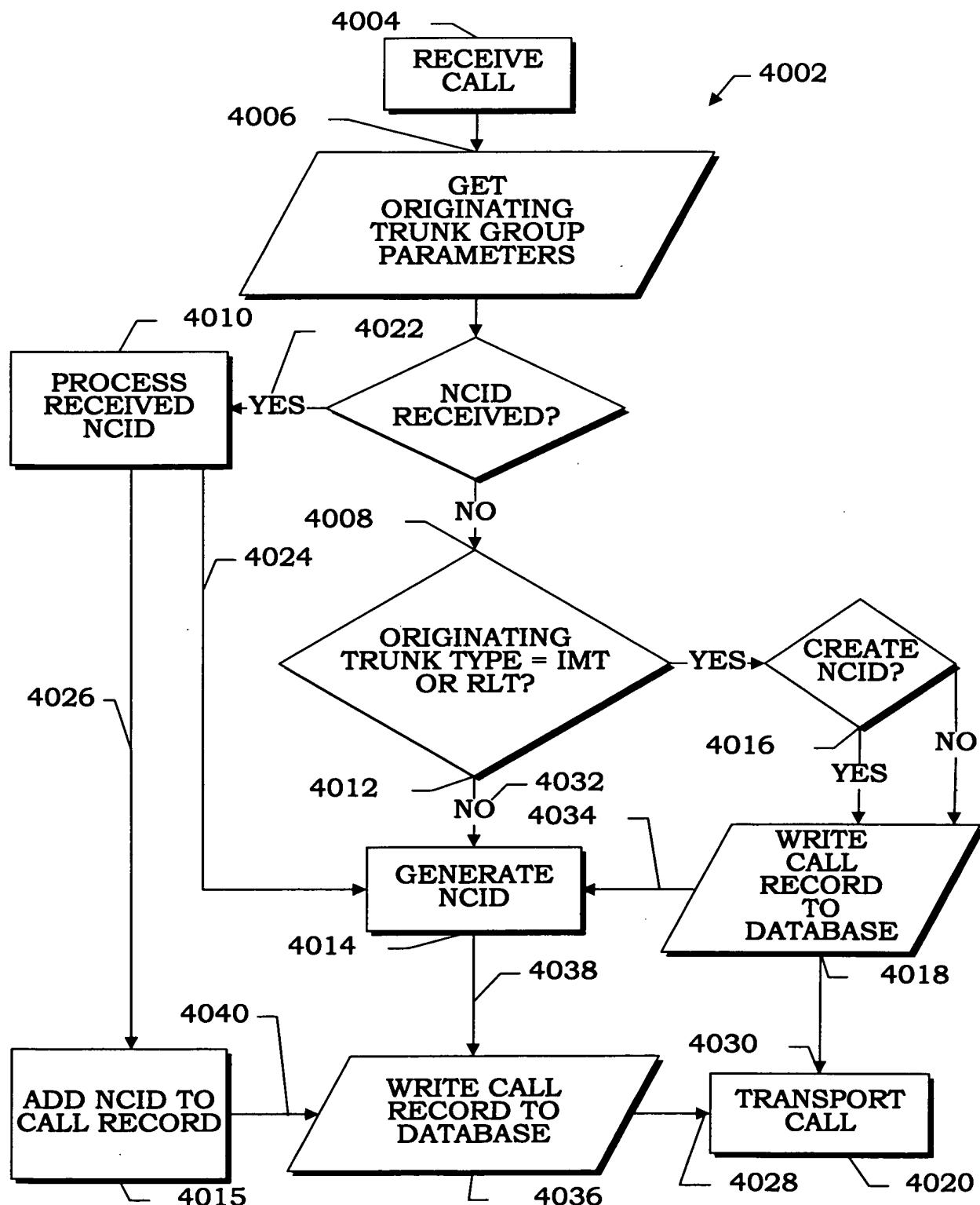


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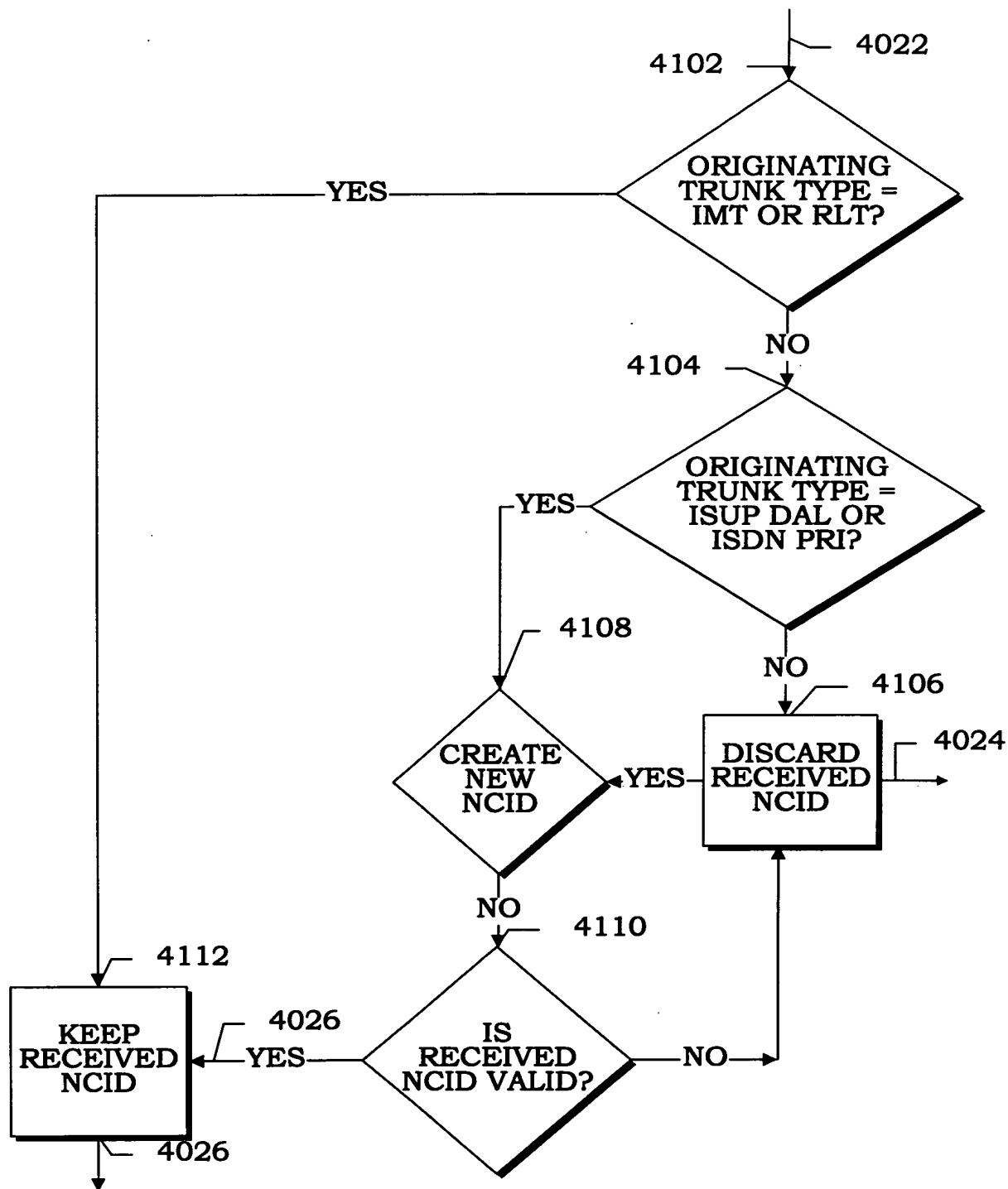


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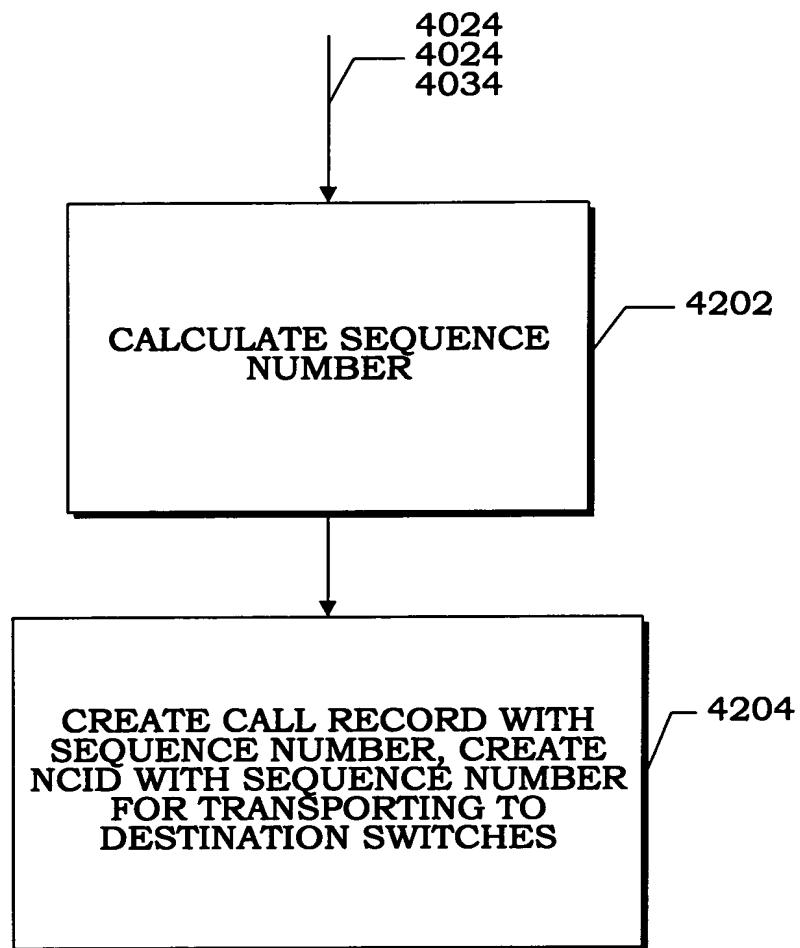


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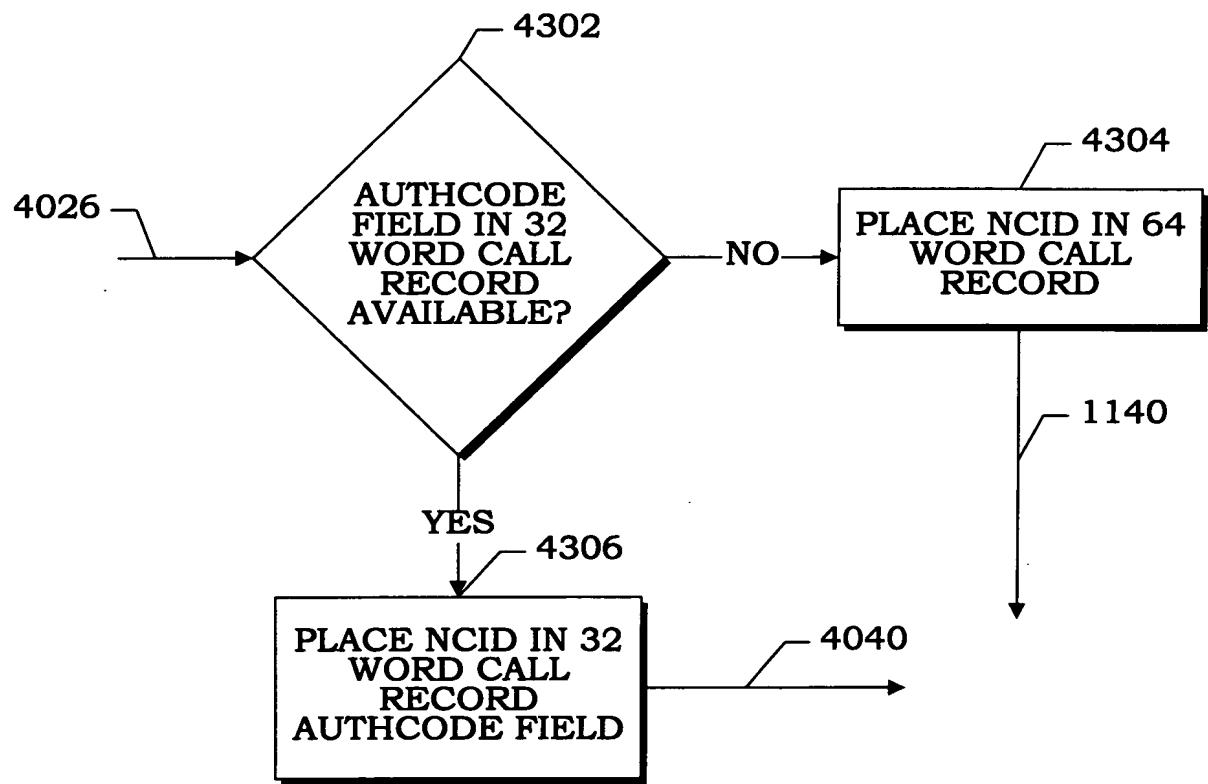
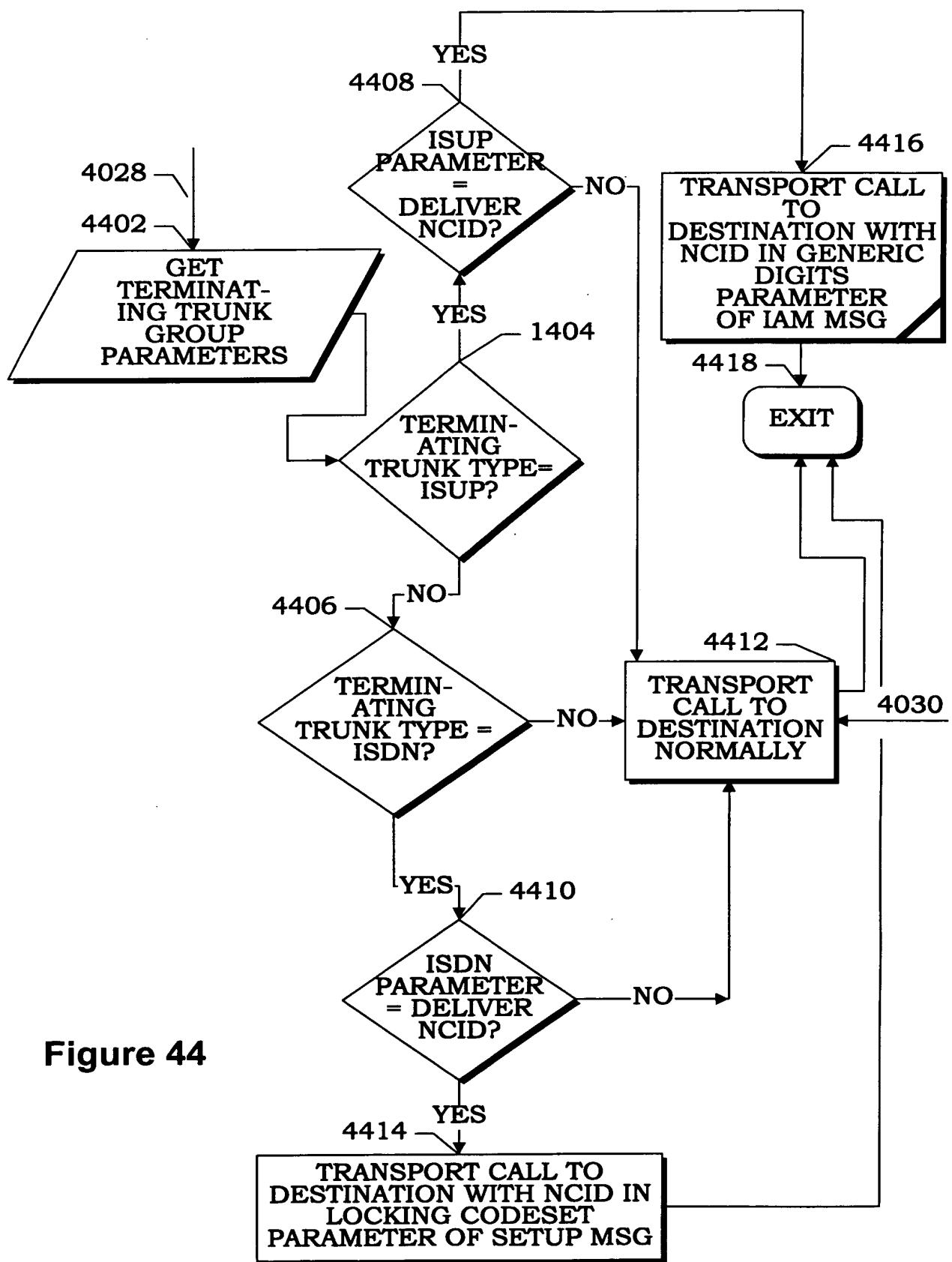


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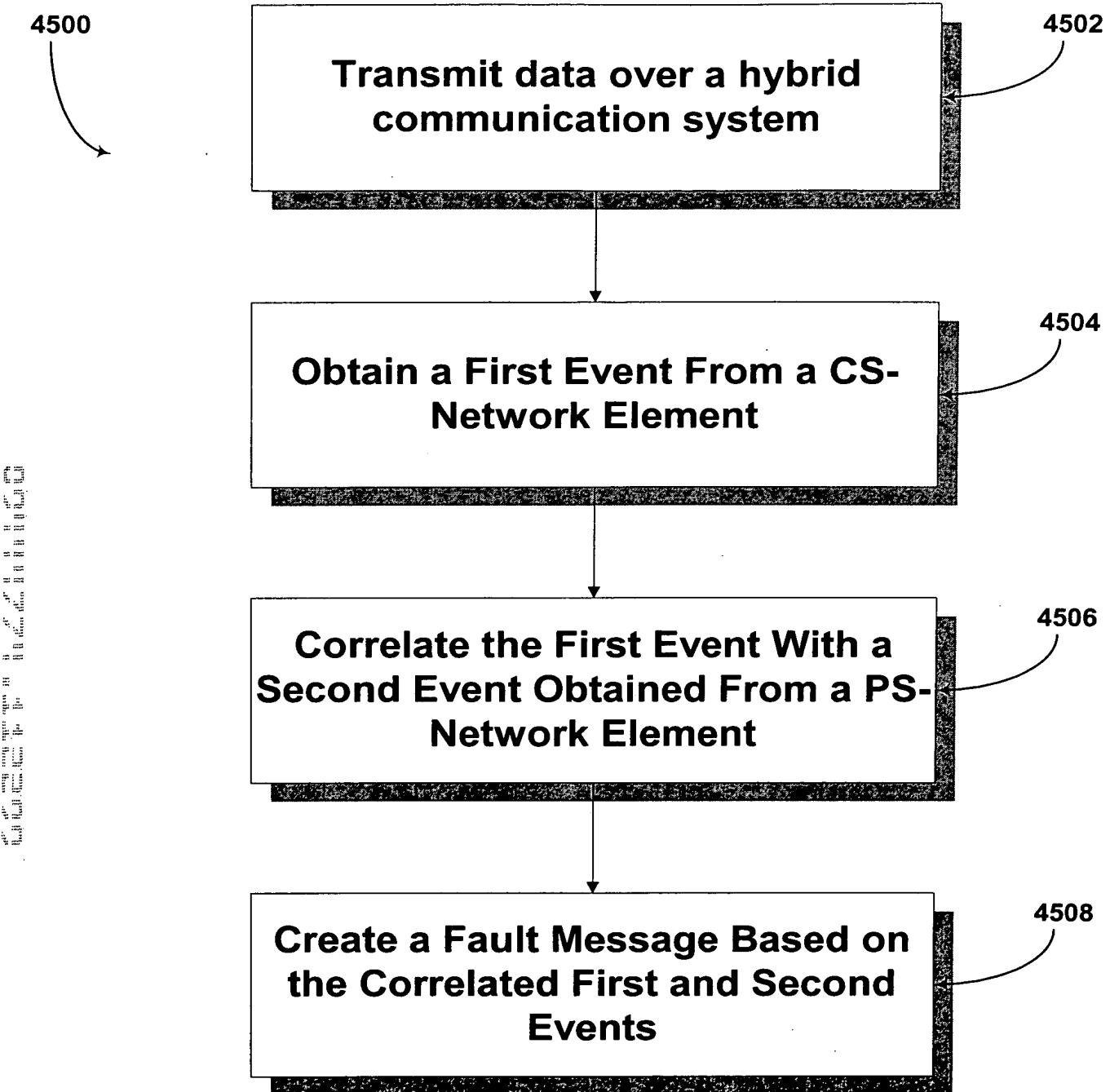


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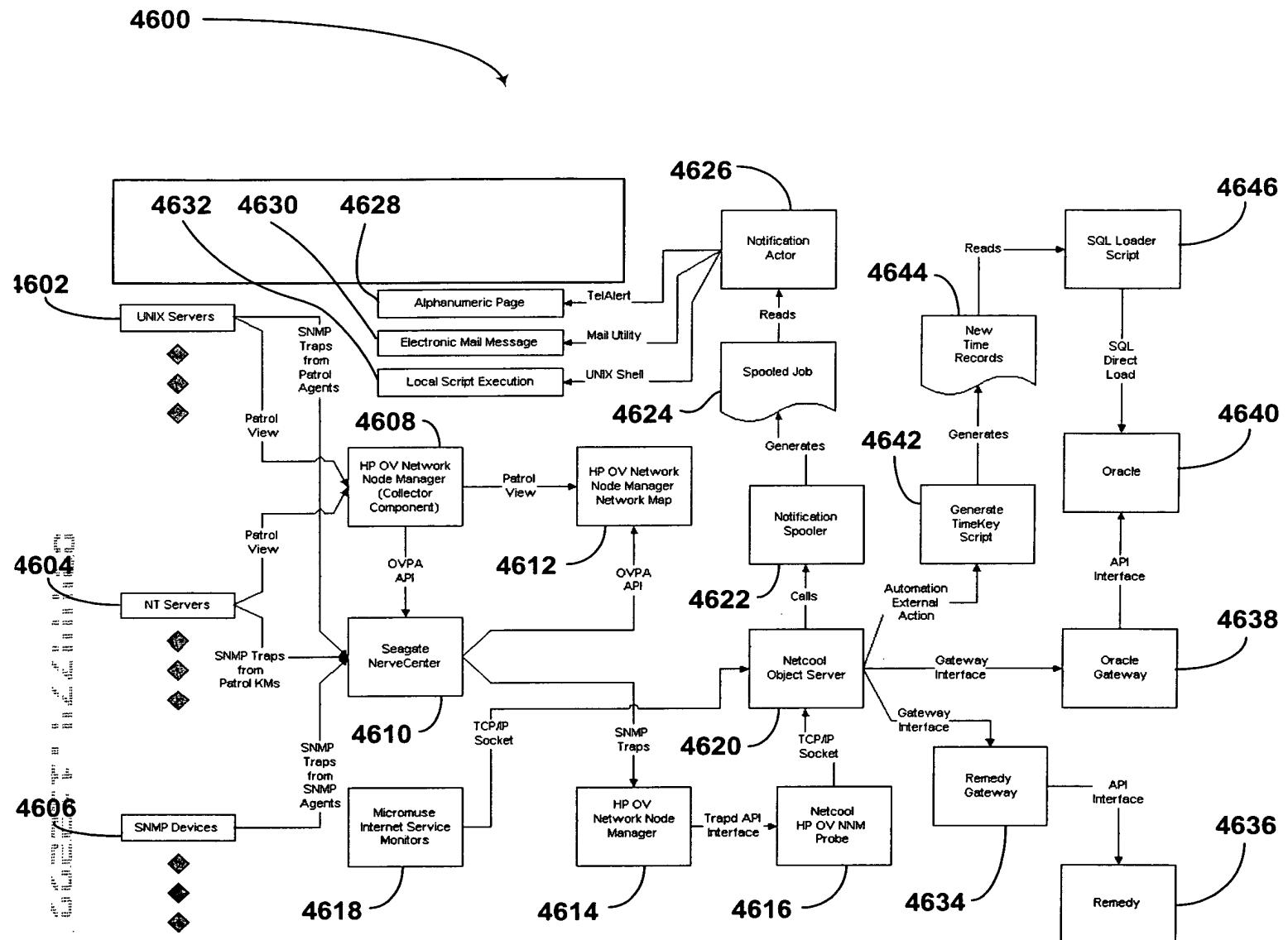


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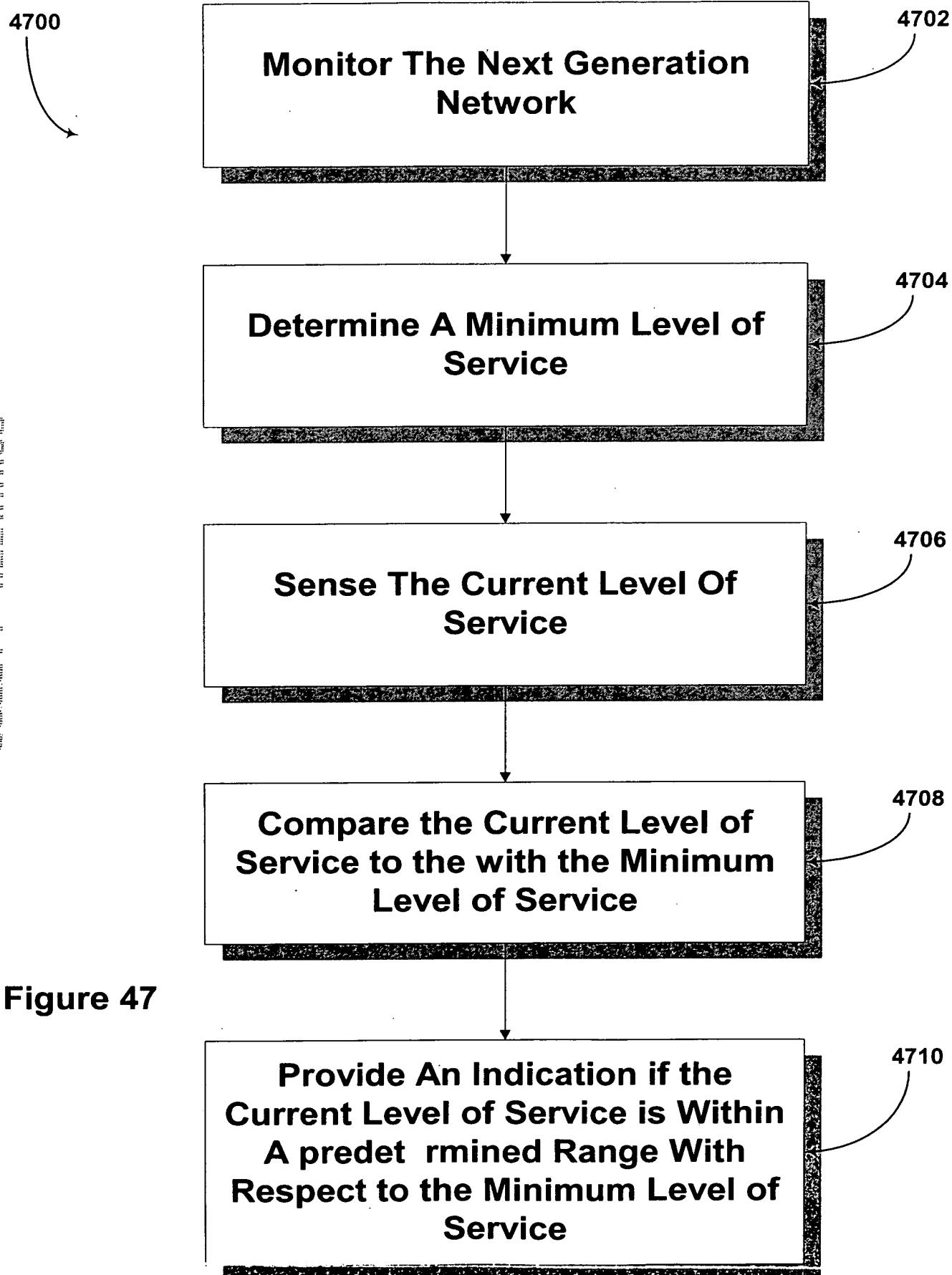


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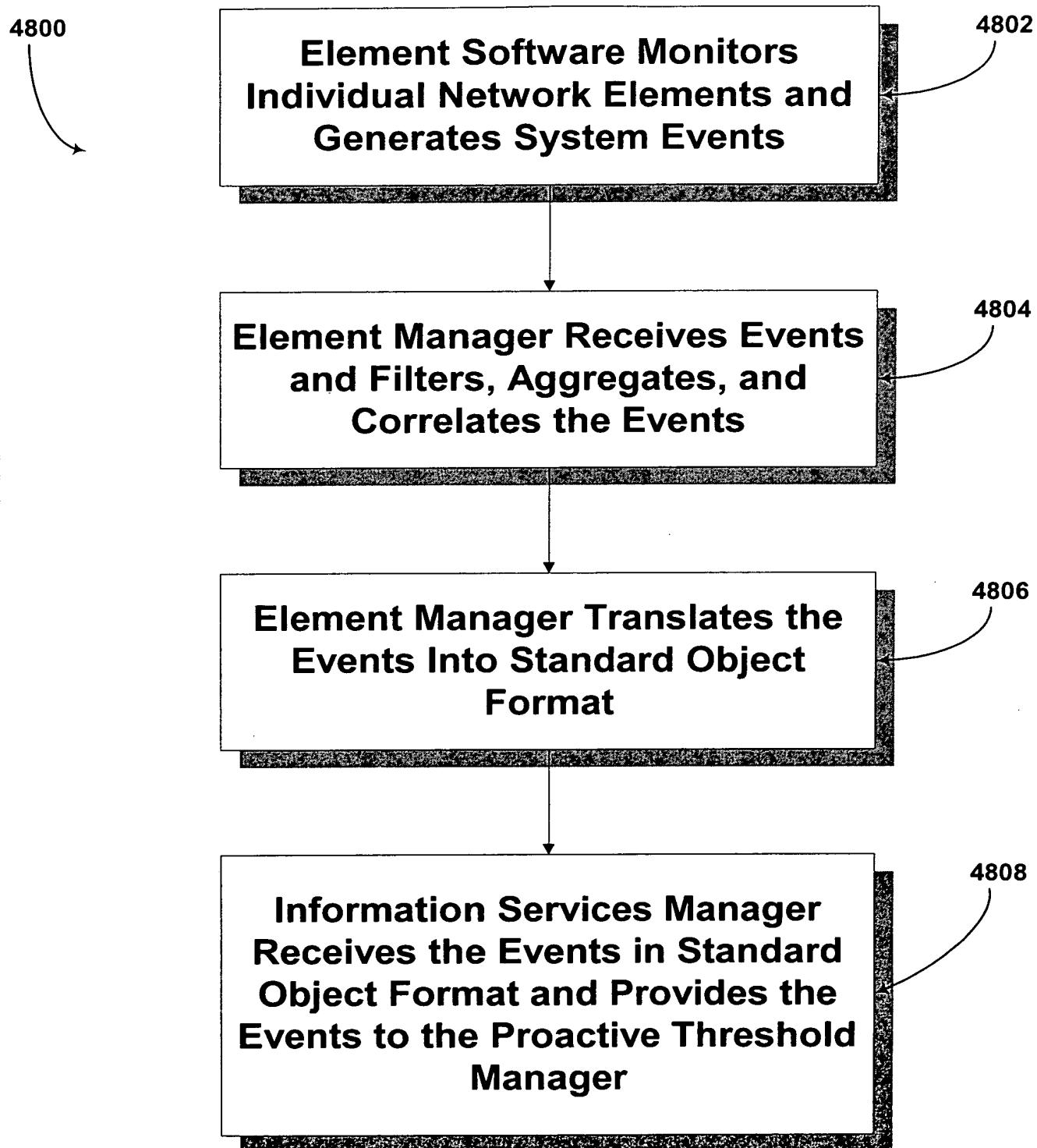


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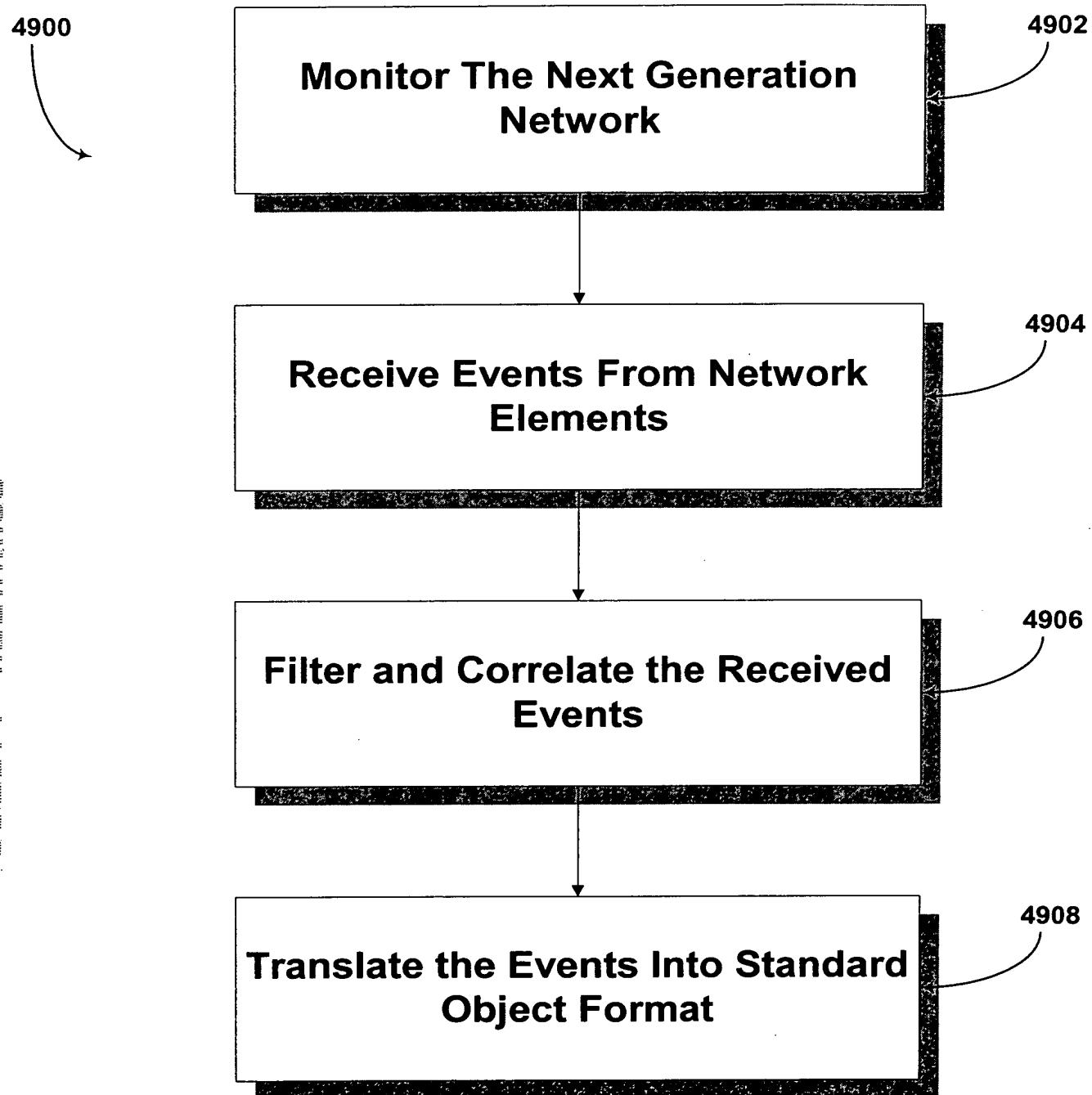


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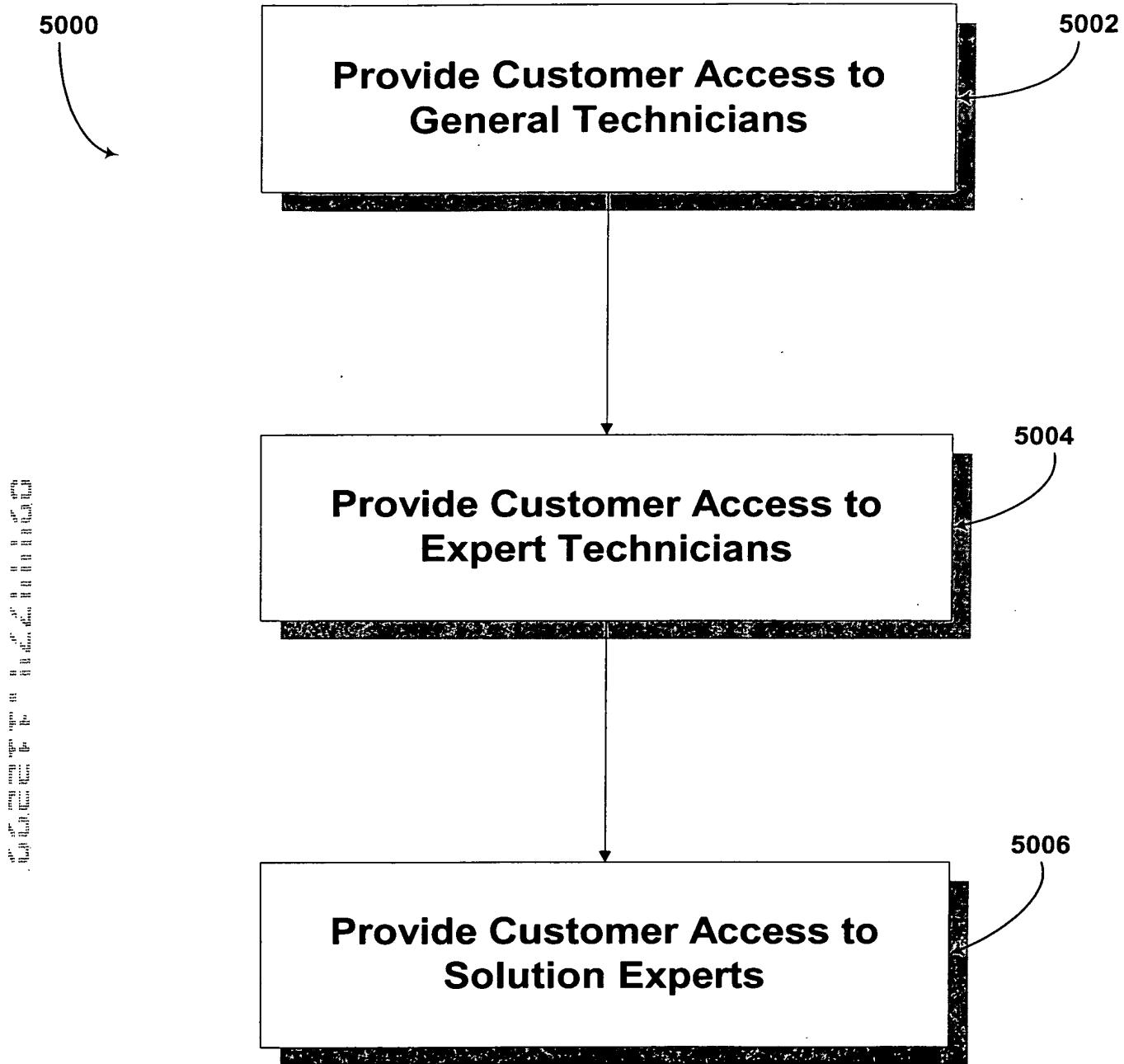


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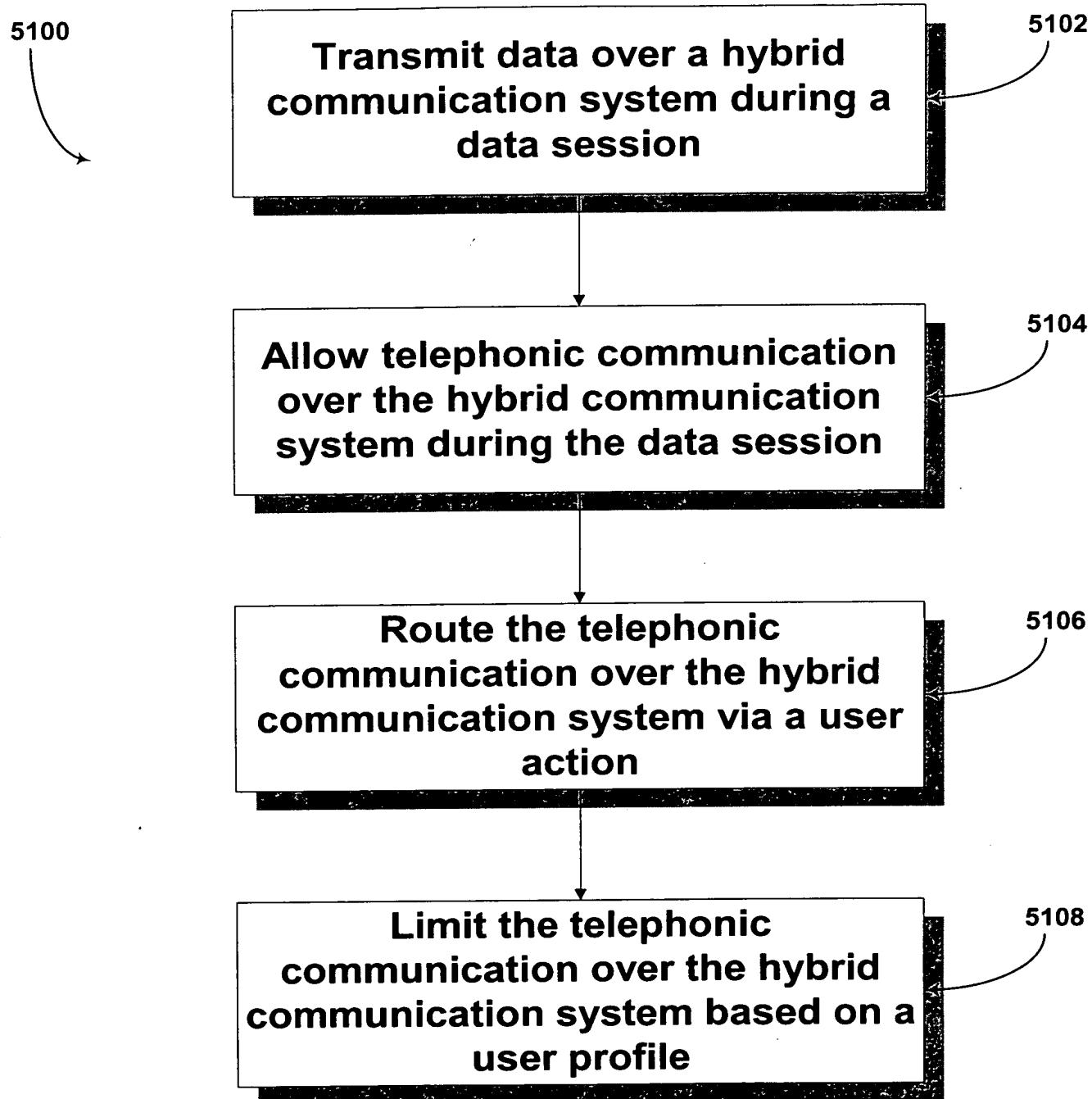


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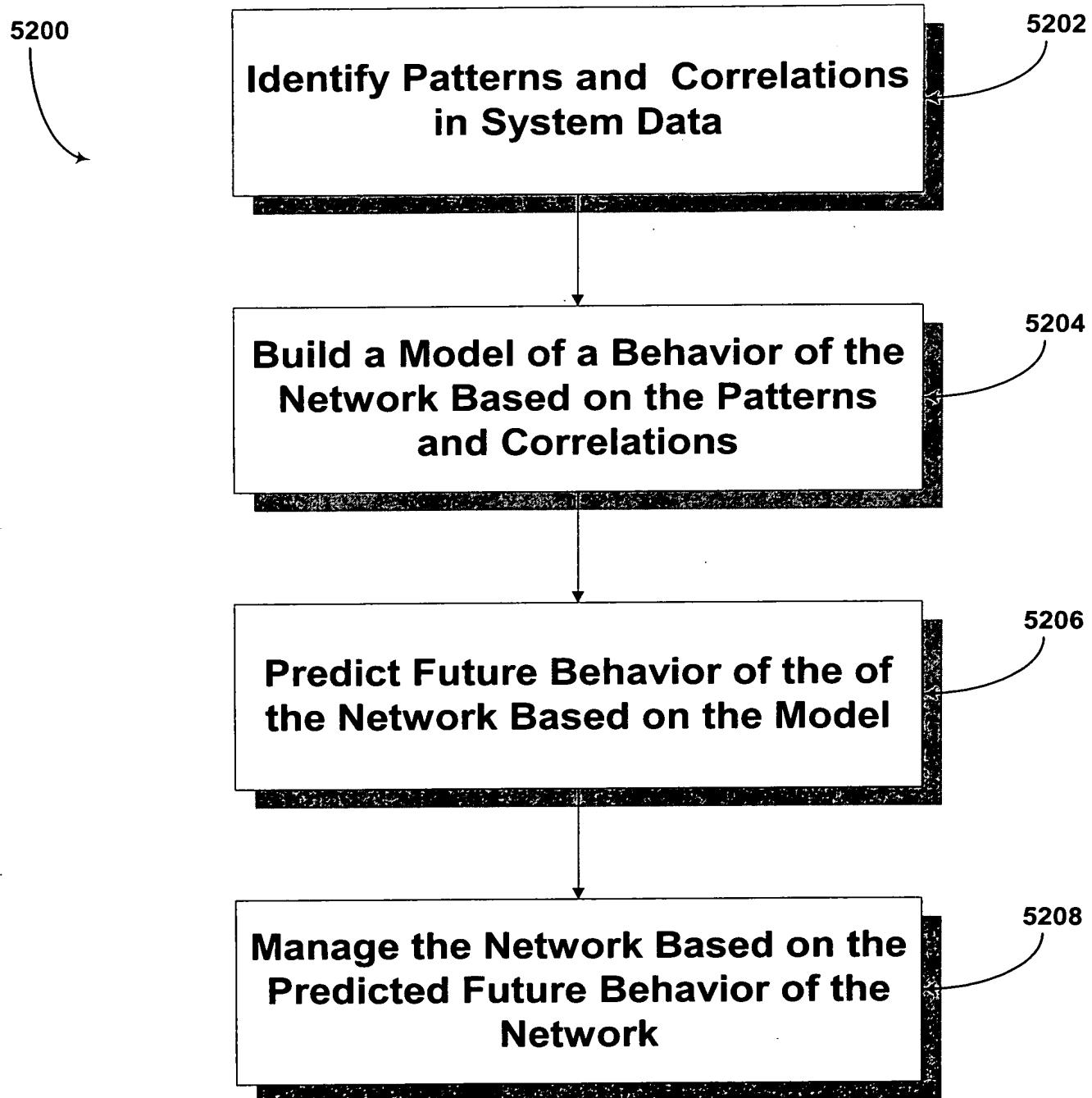
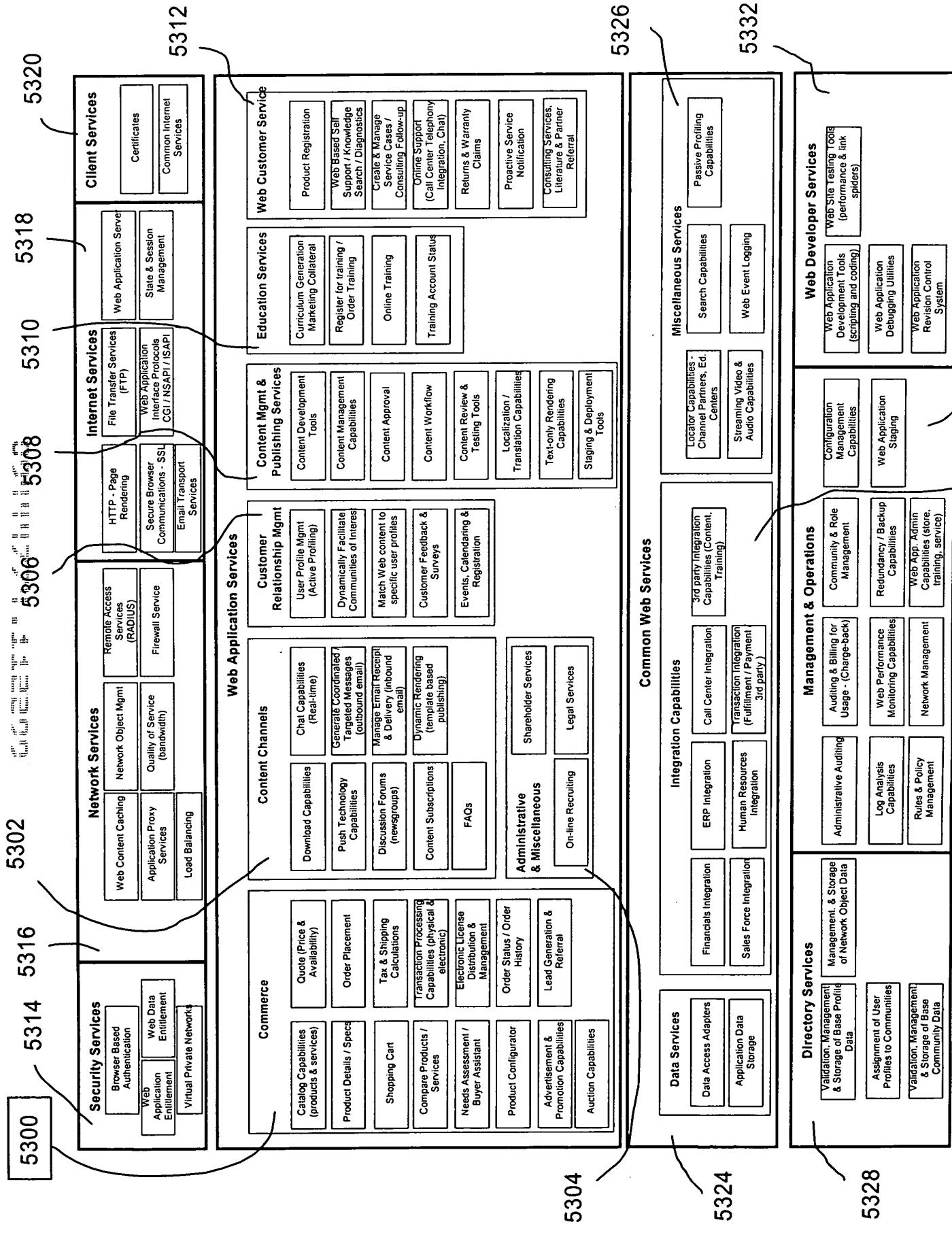


Figure 52

Figure 53



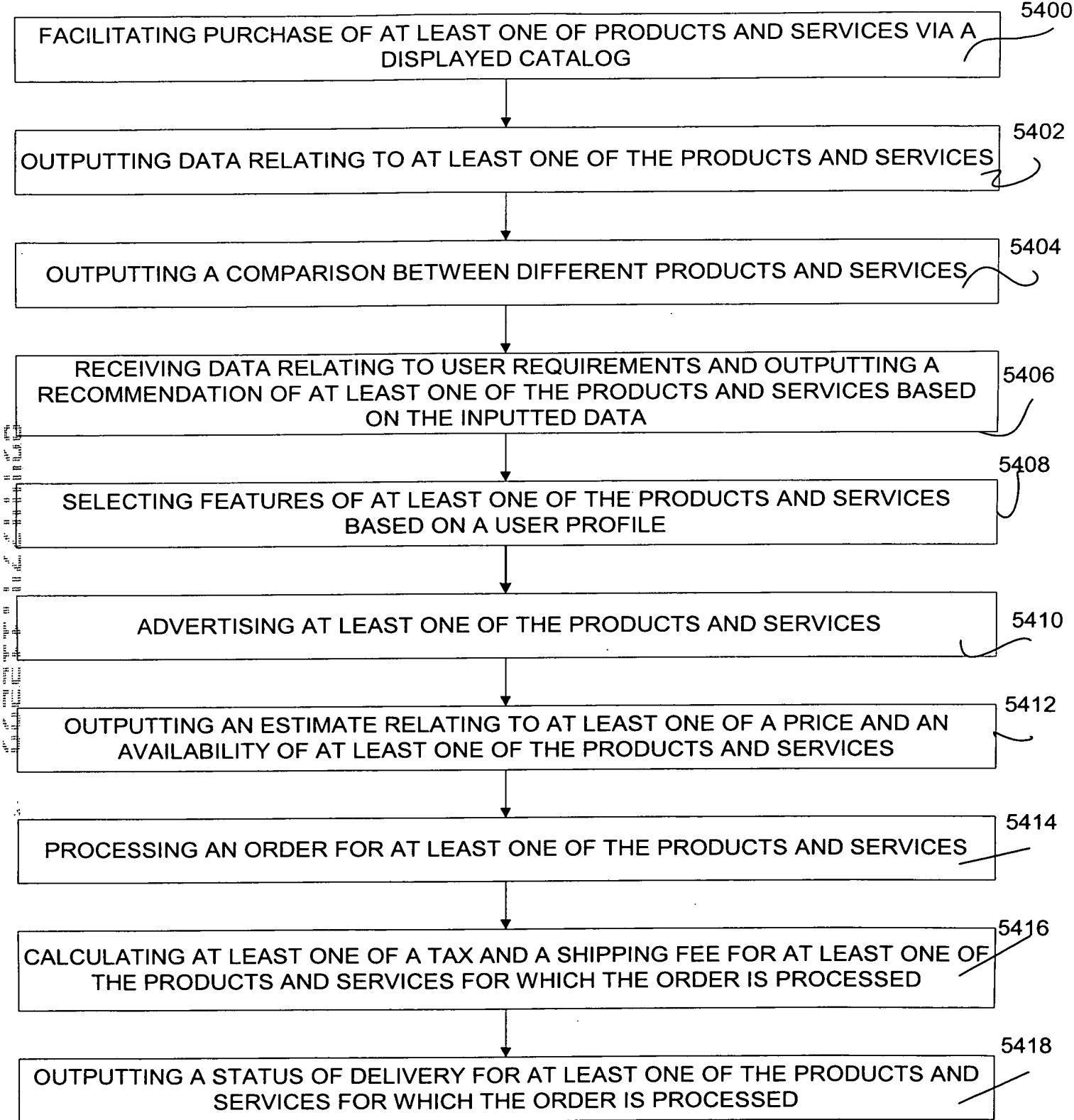


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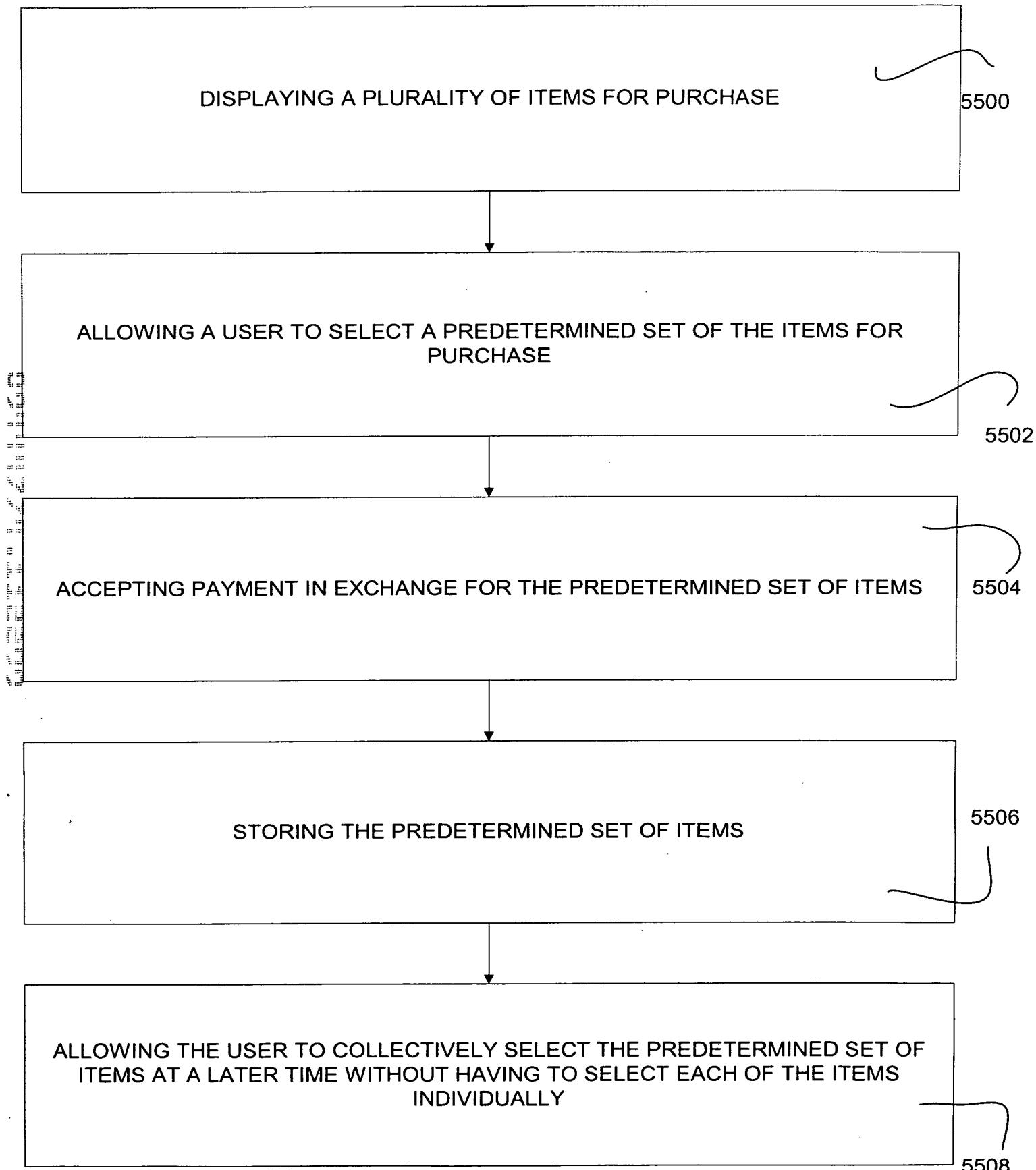
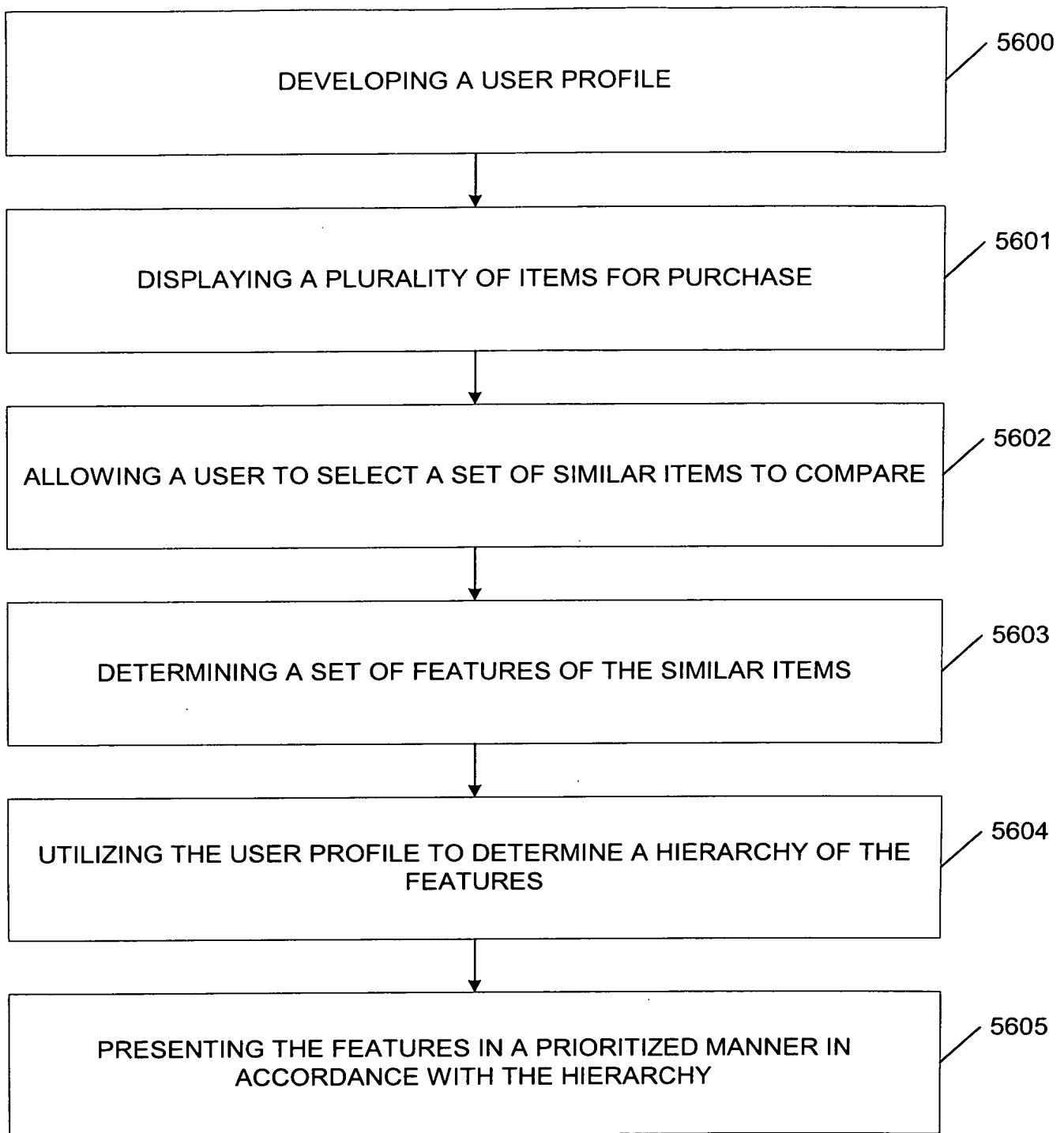


Figure 55



5404

Figure 56

5614

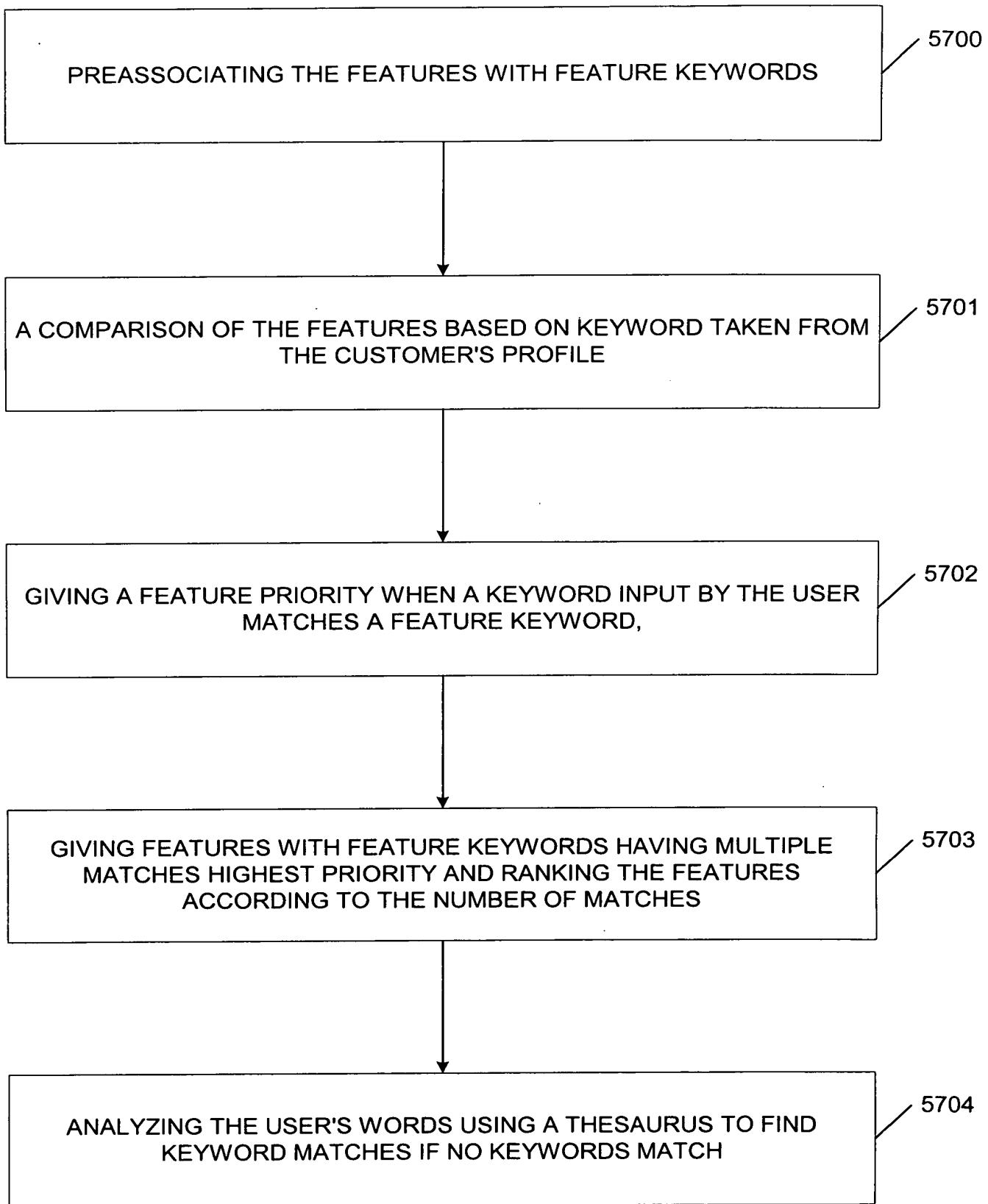


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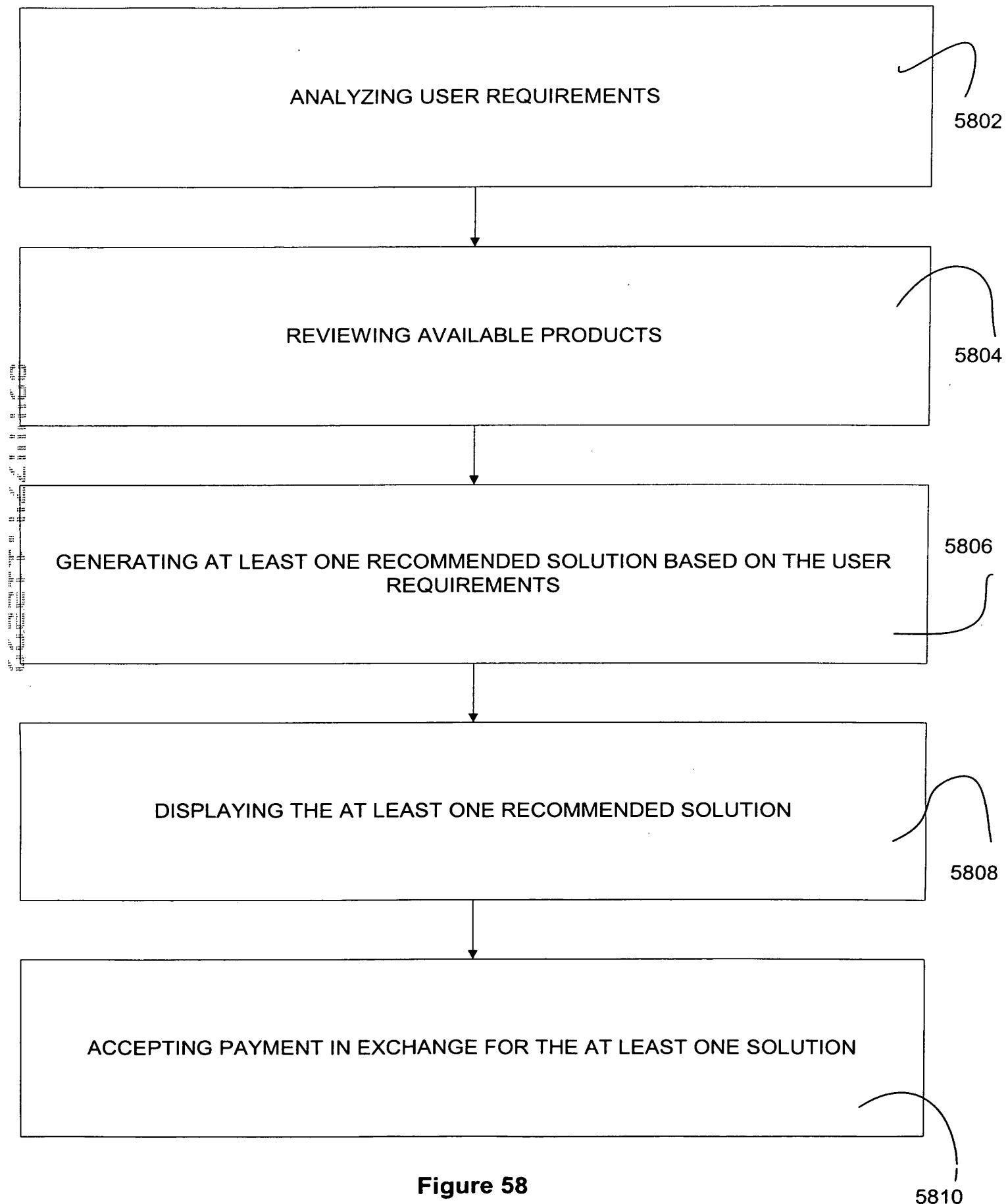


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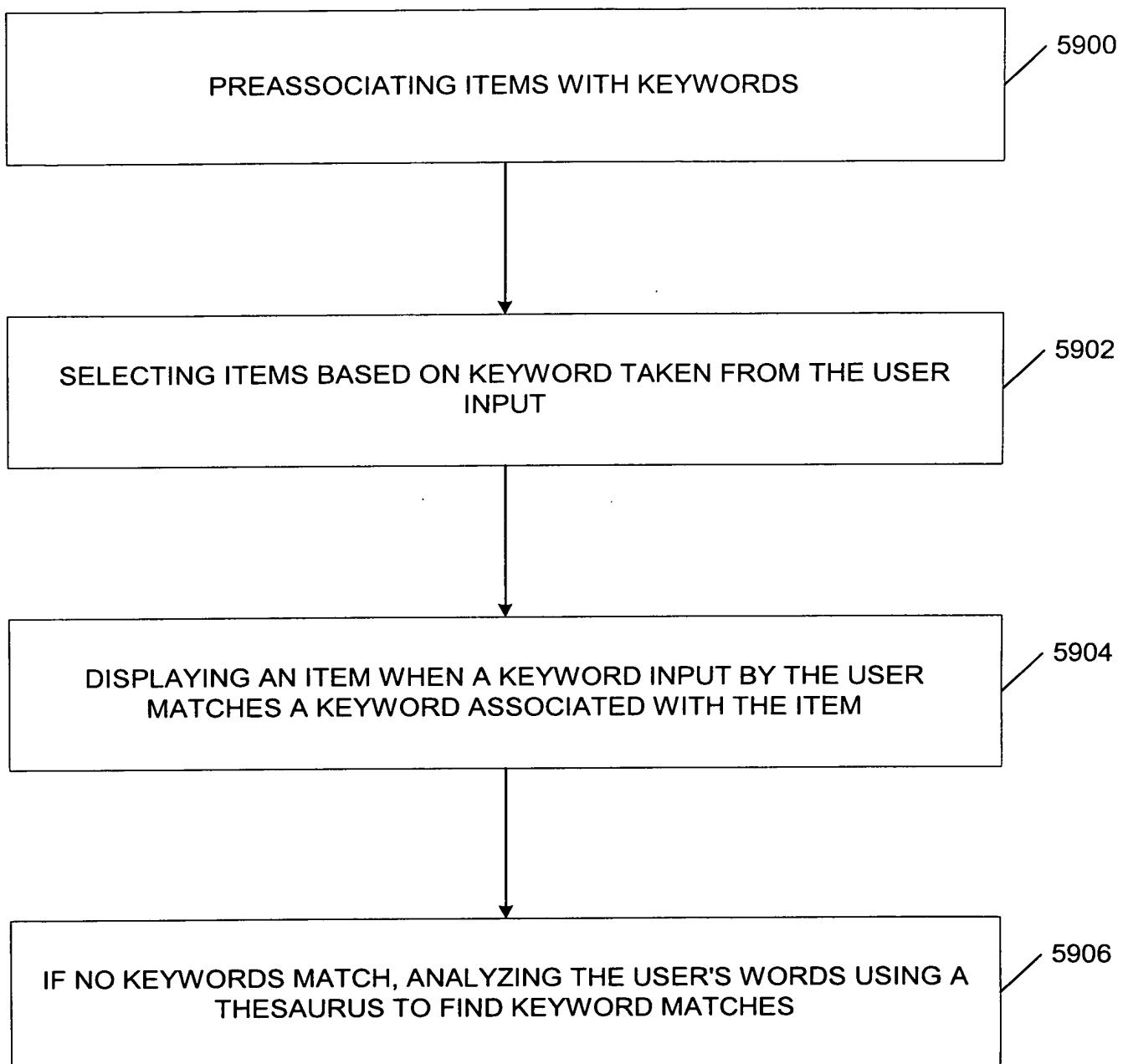


Figure 59

5806

DISPLAYING A PLURALITY OF ITEMS FOR PURCHASE, WHEREIN EACH OF THE ITEMS INCLUDES A PLURALITY OF AVAILABLE FEATURES

6002

DISPLAYING THE AVAILABLE FEATURES OF THE ITEMS

6003

ALLOWING A USER TO SELECT THE AVAILABLE FEATURES OF EACH OF THE ITEMS TO BE PURCHASED

6004

DETERMINING A PRICE AND AVAILABILITY OF THE SELECTED ITEMS AND THE SELECTED FEATURES THEREOF AND DISPLAYING THE SAME

6006

ACCEPTING PAYMENT IN EXCHANGE FOR THE SELECTED ITEMS AND THE SELECTED FEATURES THEREOF

6008

Figure 60

DISPLAYING A PLURALITY OF ITEMS FOR PURCHASE

6102

DISPLAYING ADVERTISEMENT INFORMATION WHICH RELATES TO AT LEAST ONE OF
THE ITEMS DISPLAYED FOR PURCHASE

6103

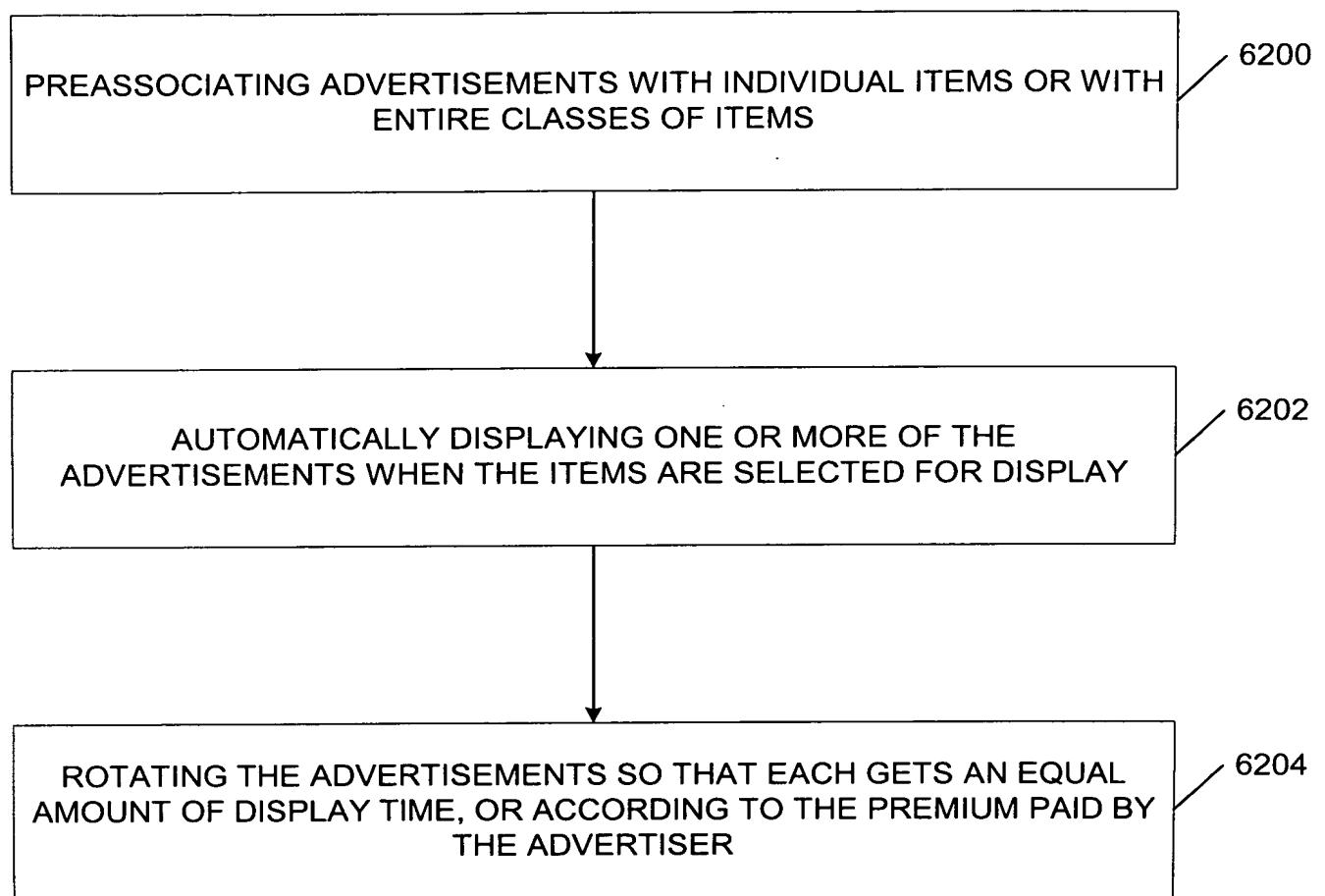
ALLOWING A USER TO SELECT THE ITEMS FOR PURCHASE

6104

ACCEPTING PAYMENT IN EXCHANGE FOR THE SELECTED ITEMS

6106

Figure 61



6103

Figure 62

CREATING A USER PROFILE FROM INFORMATION ABOUT A USER

6302

SELECTING AT LEAST ONE ITEM FOR PURCHASE BASED ON THE USER PROFILE

6301

DISPLAYING THE AT LEAST ONE ITEM FOR PURCHASE

6306

ALLOWING THE USER TO SELECT THE AT LEAST ONE ITEM FOR PURCHASE

6308

ACCEPTING PAYMENT IN EXCHANGE FOR THE SELECTED ITEM

6310

Figure 63

ALLOWING A USER TO REQUEST TO UTILIZE A SOFTWARE PACKAGE

6402

PROMPTING THE USER TO ENTER USER INPUT RELATING TO THE USER

6404

RECEIVING THE USER INPUT RELATING TO THE USER

6406

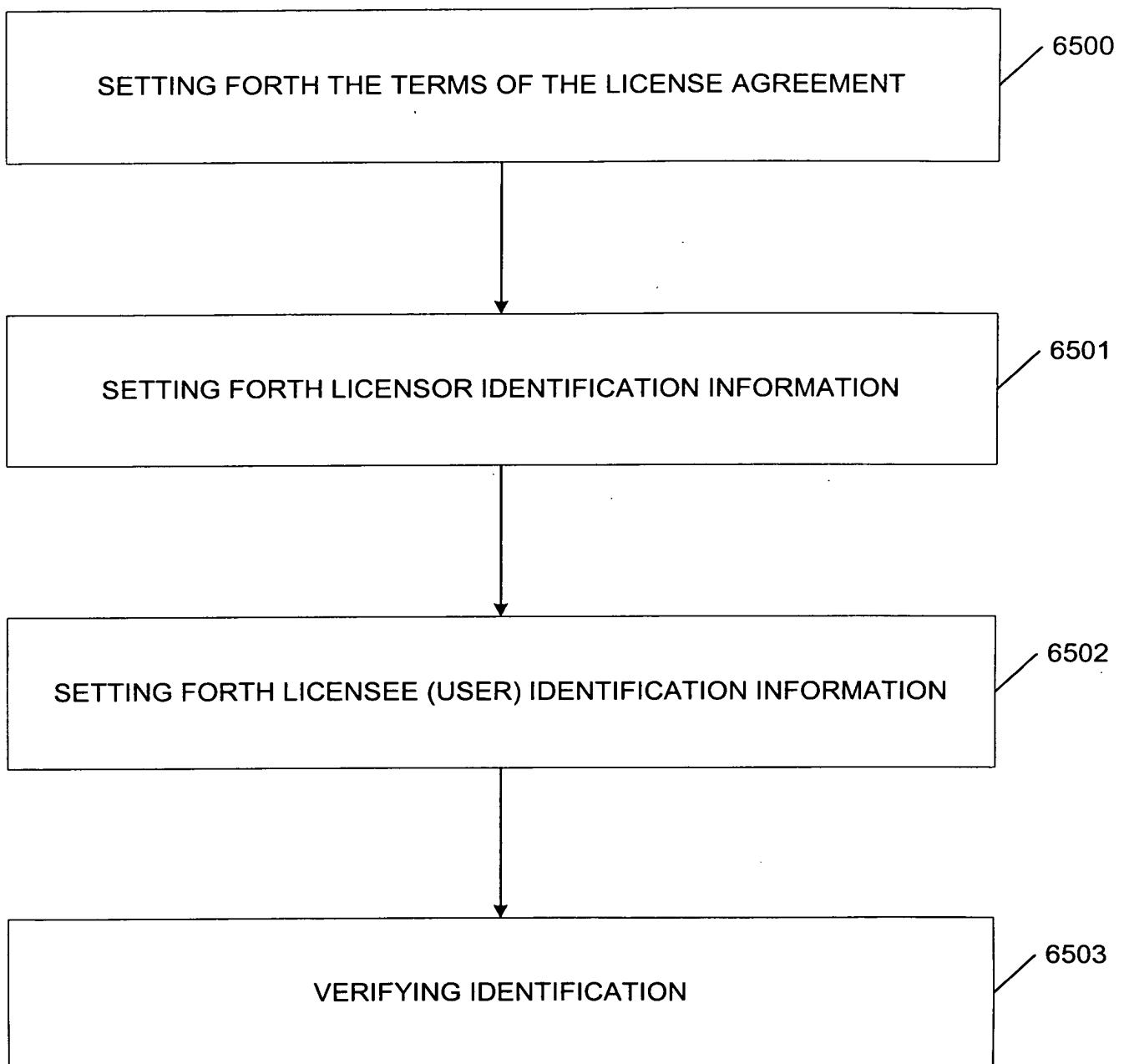
GENERATING A LICENSE AGREEMENT UTILIZING THE USER INPUT

6408

SENDING THE LICENSE AGREEMENT TO THE USER

6410

Figure 64



6408

Figure 65

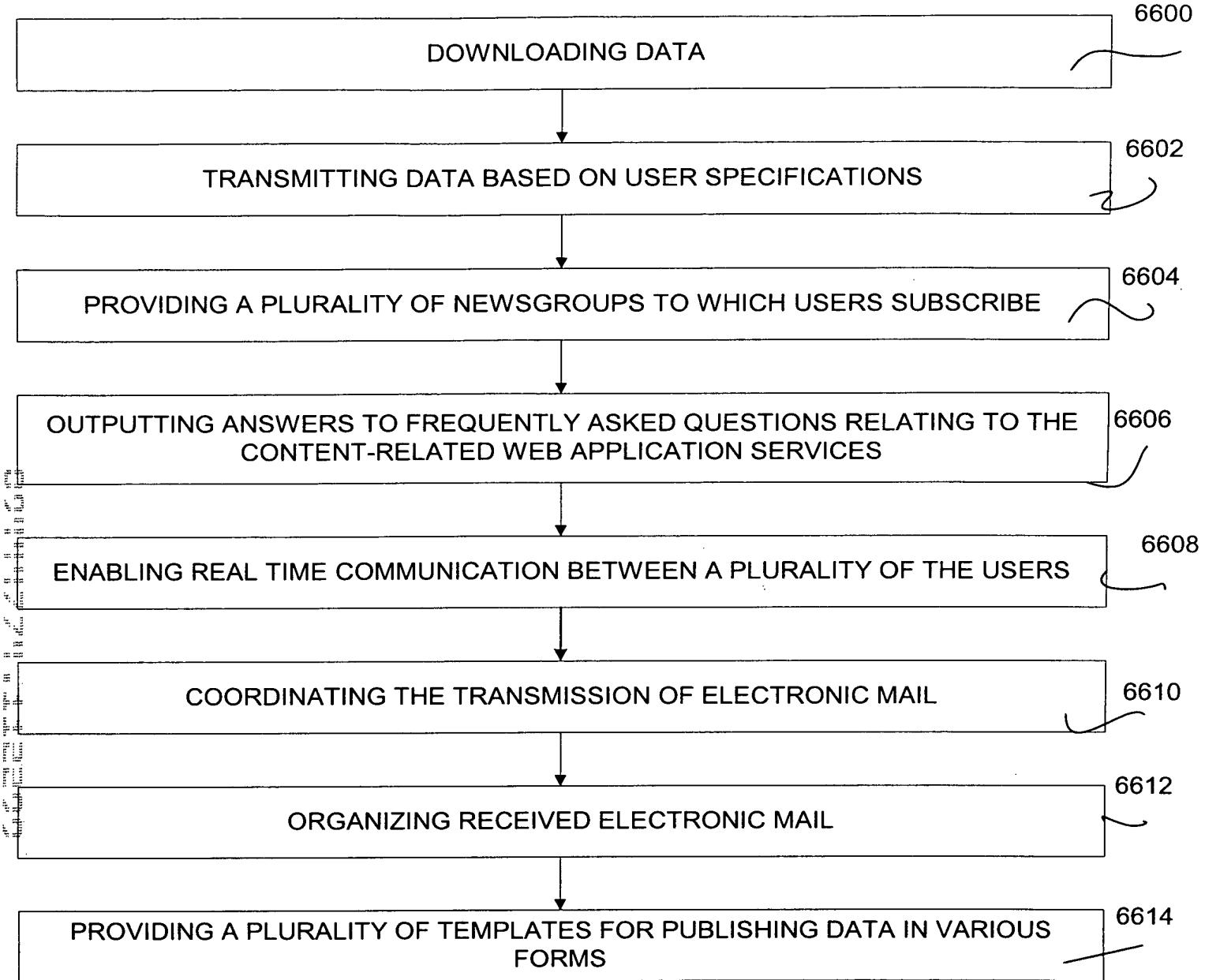
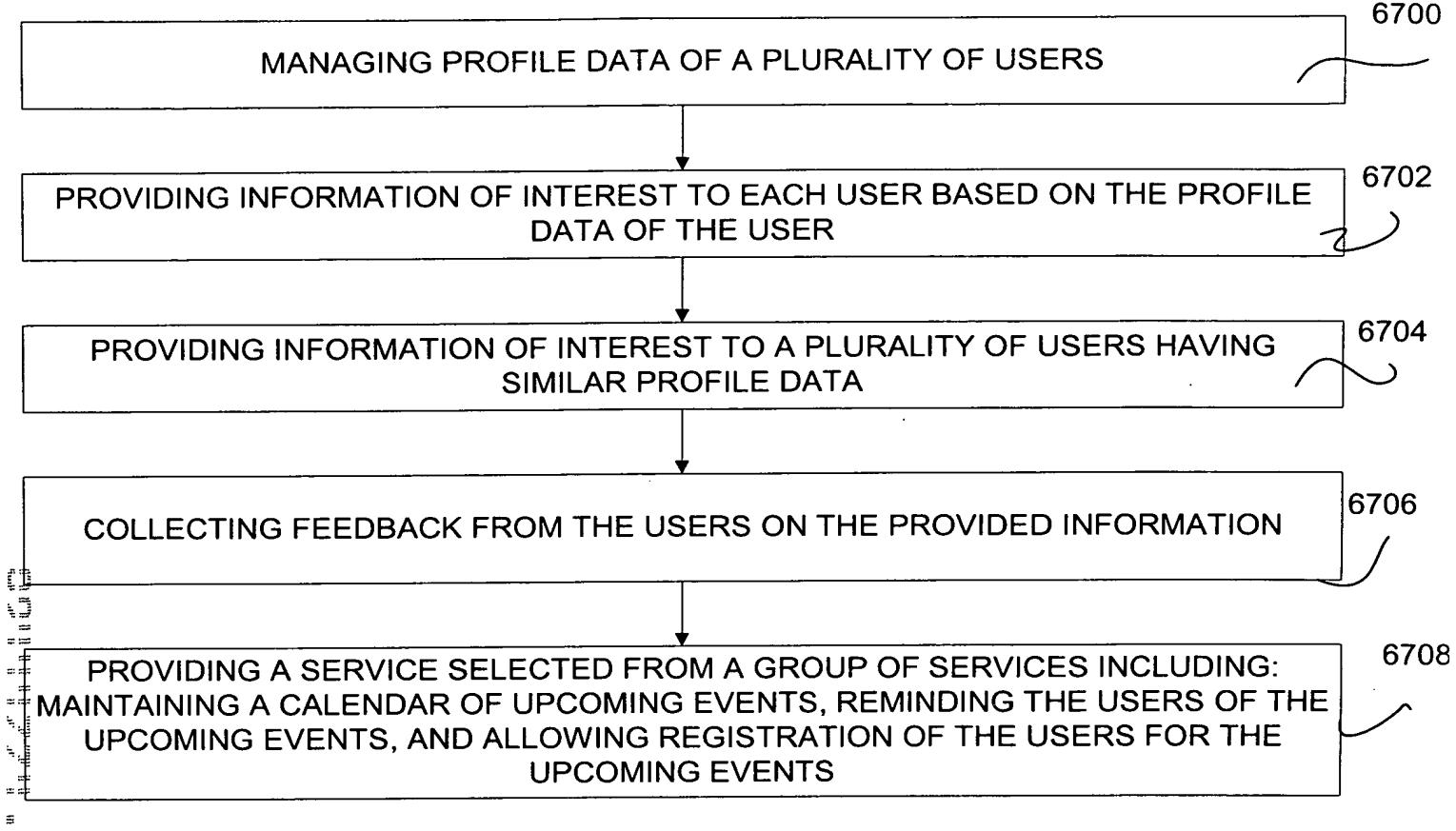
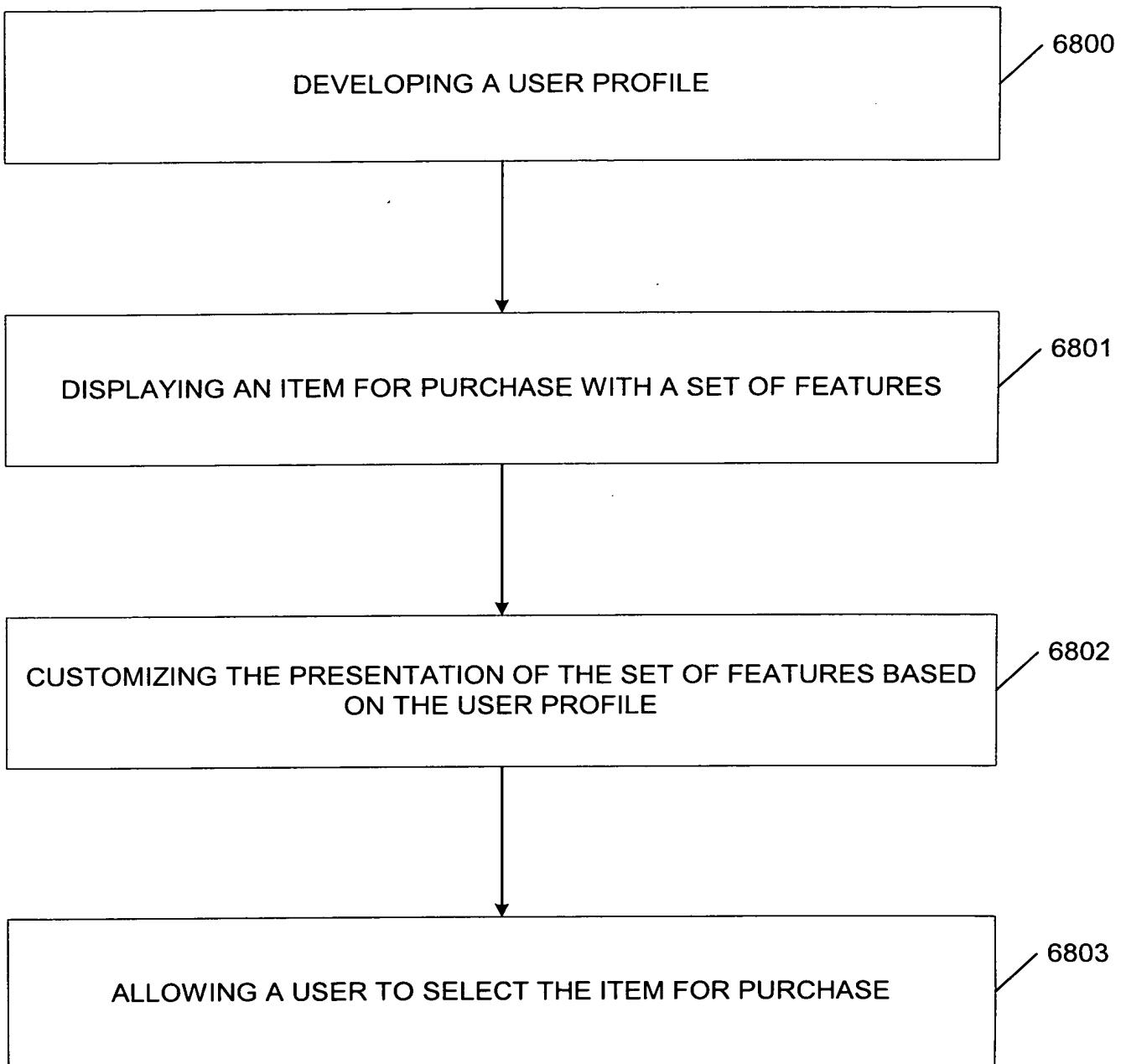


Figure 66



5306

Figure 67



6700

Figure 68

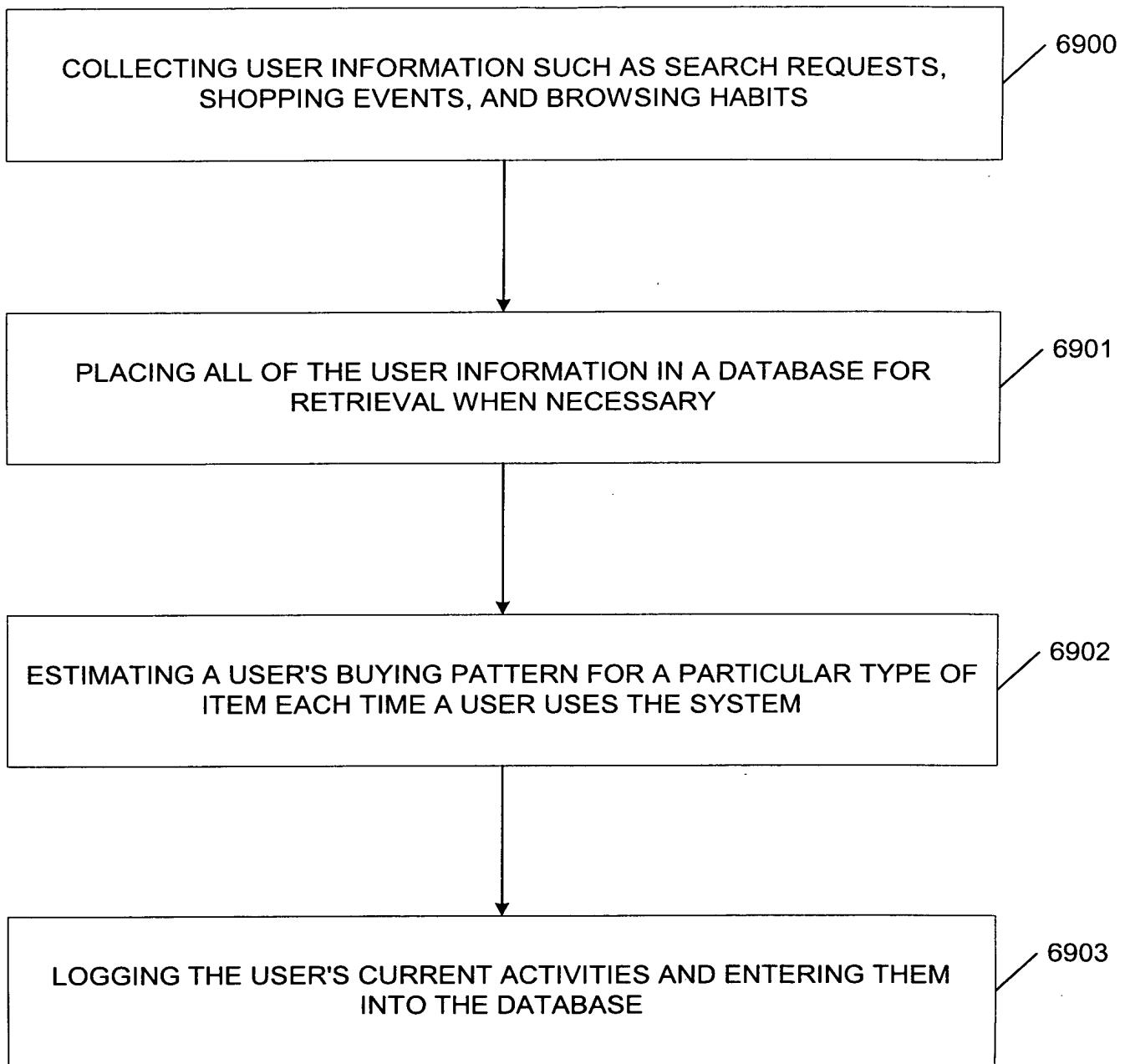


Figure 69

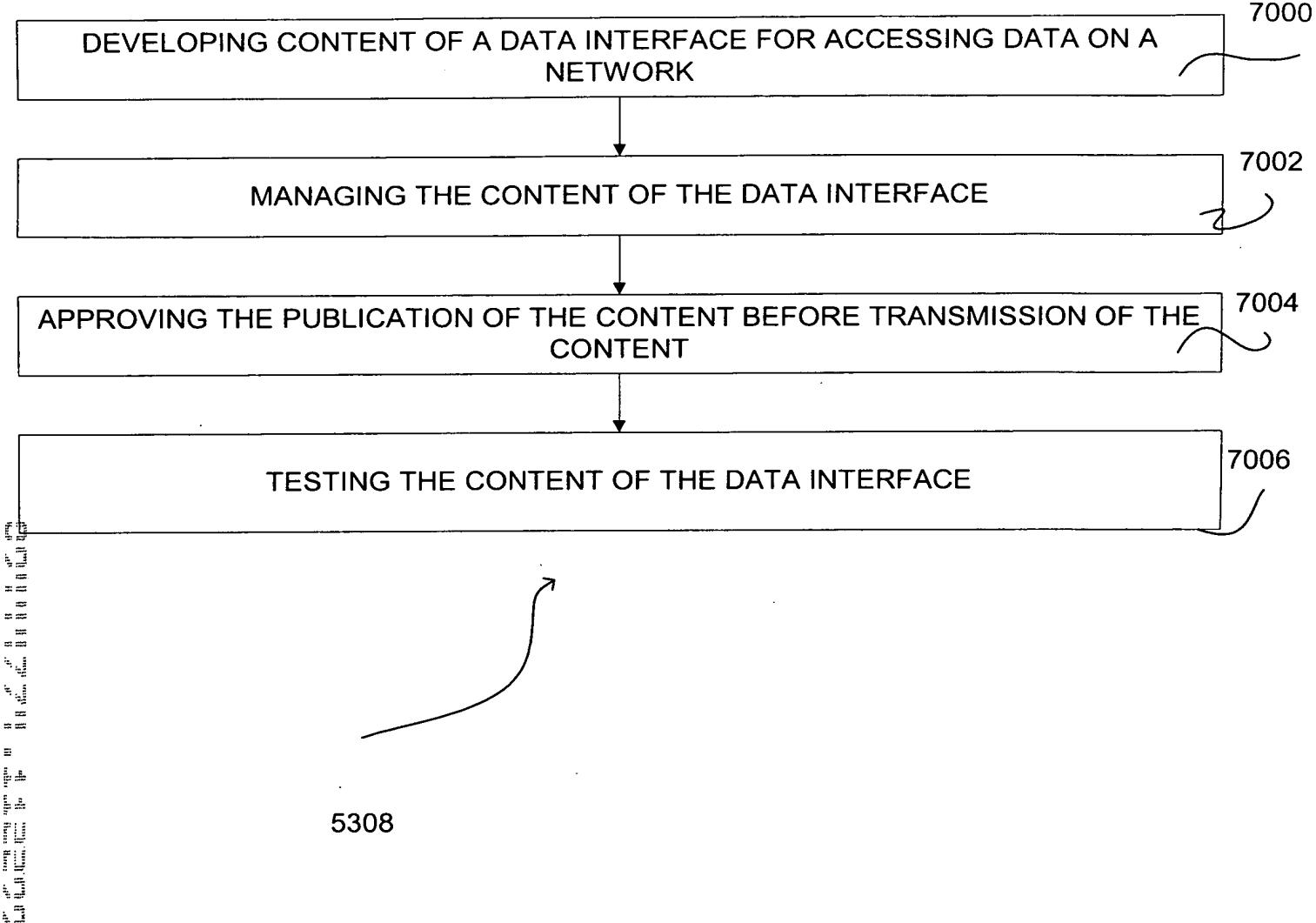


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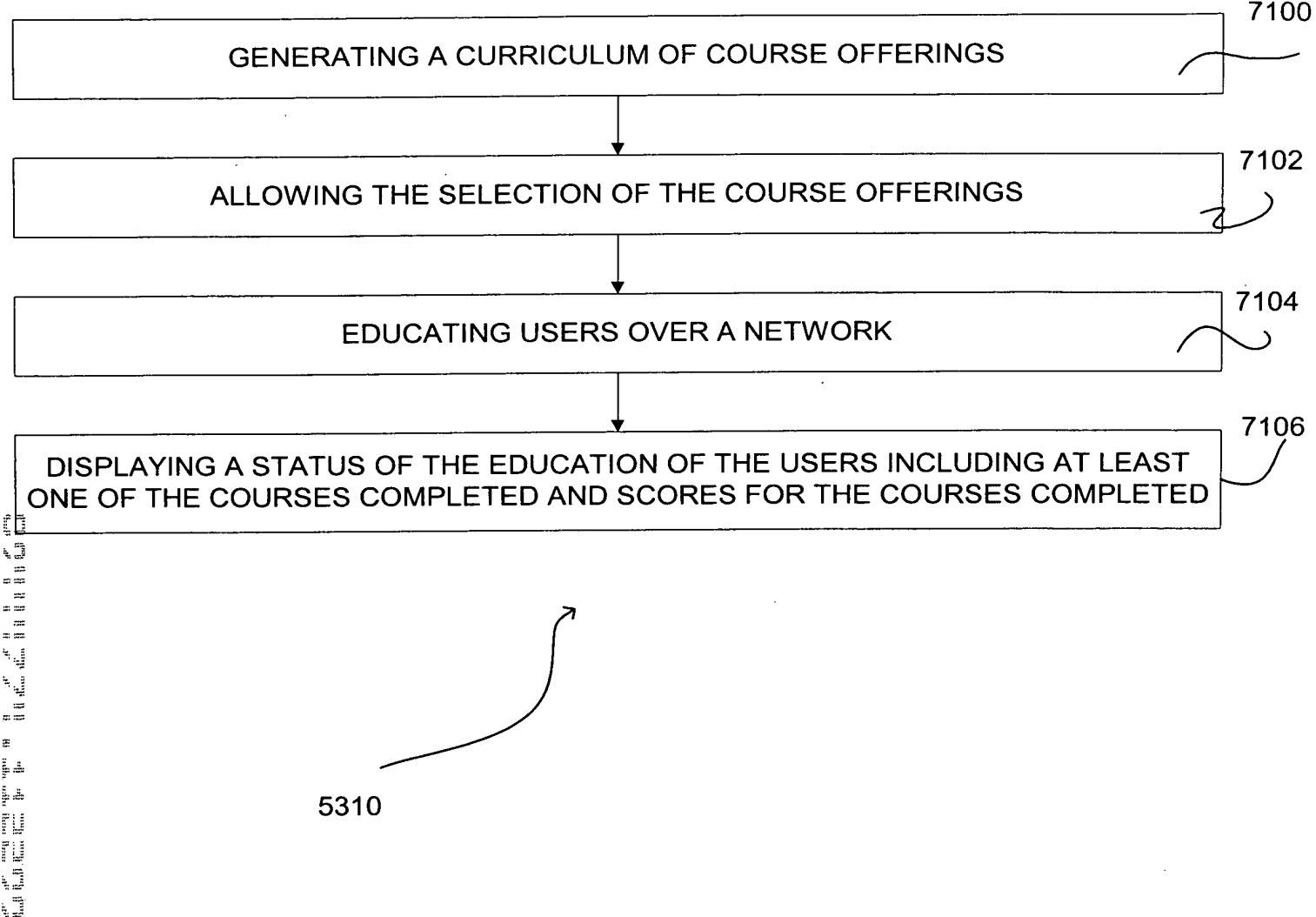


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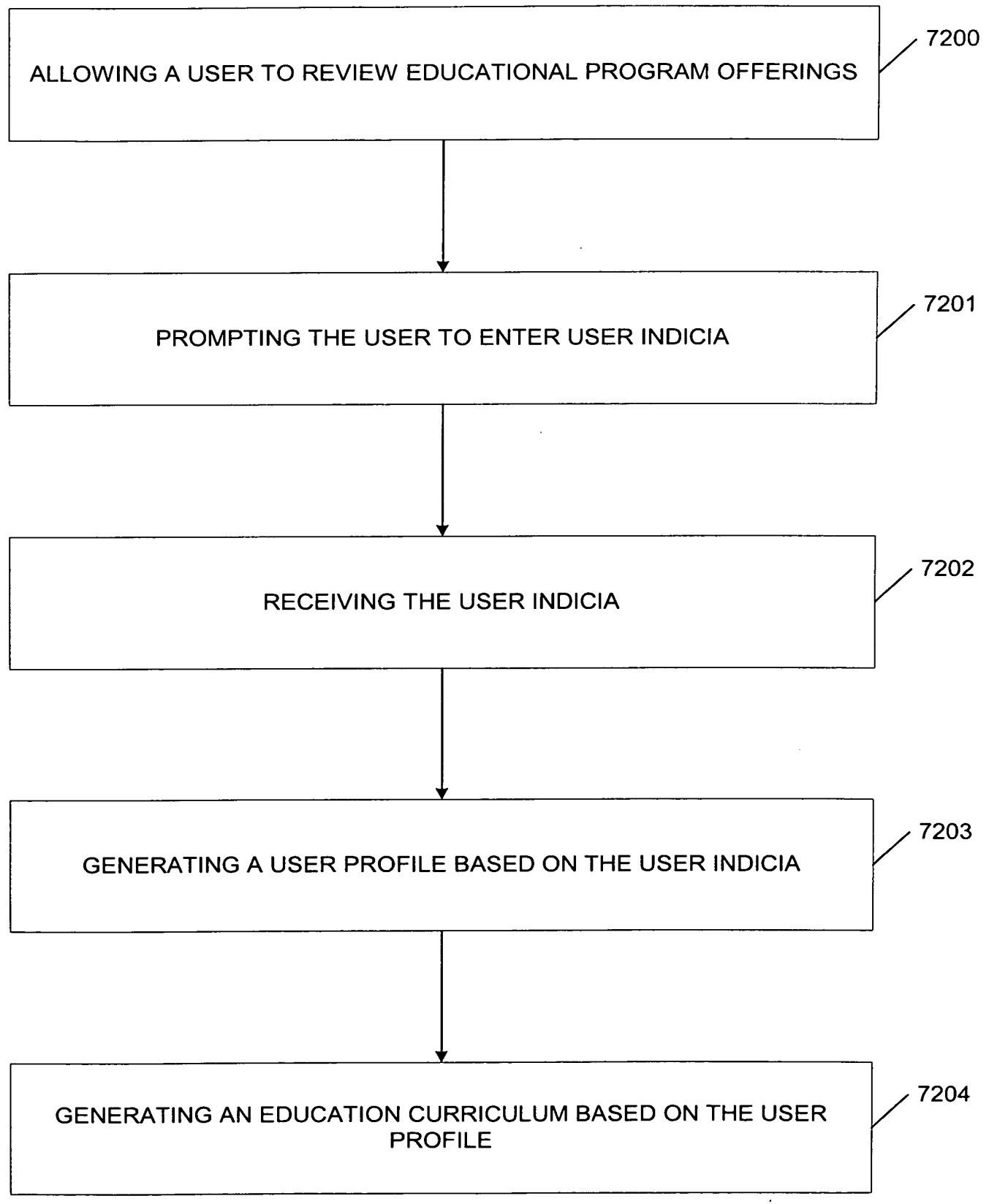


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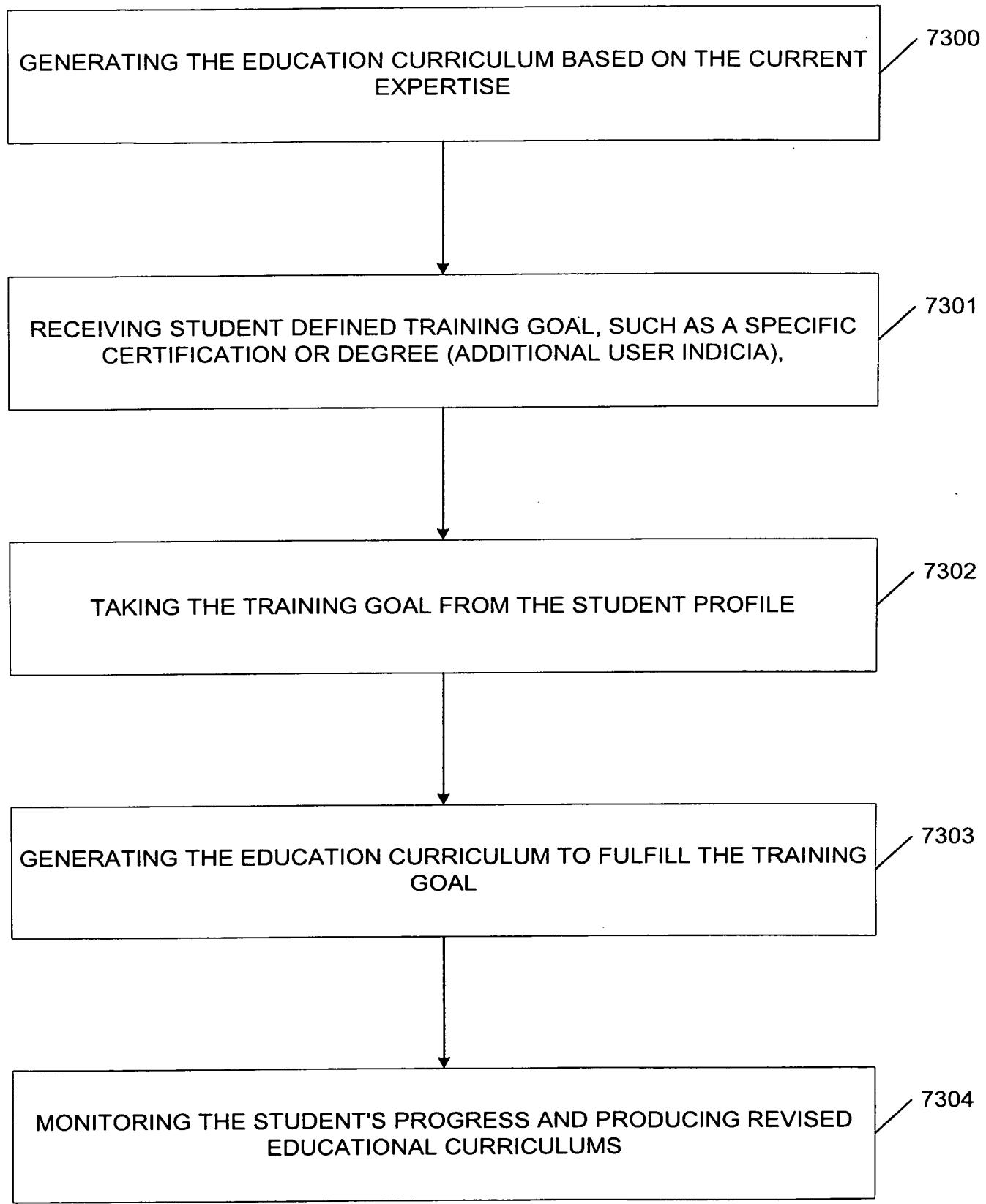


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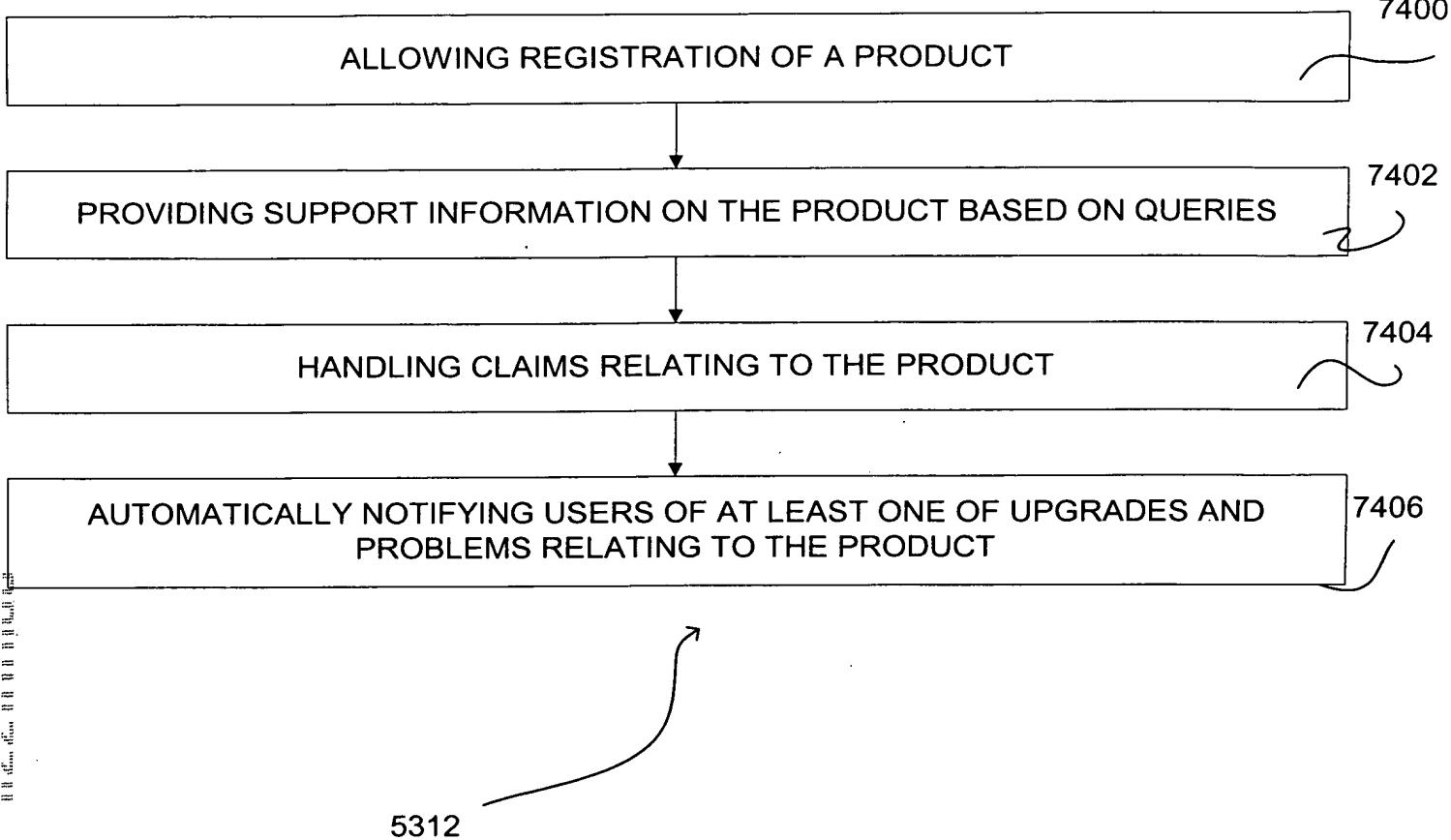
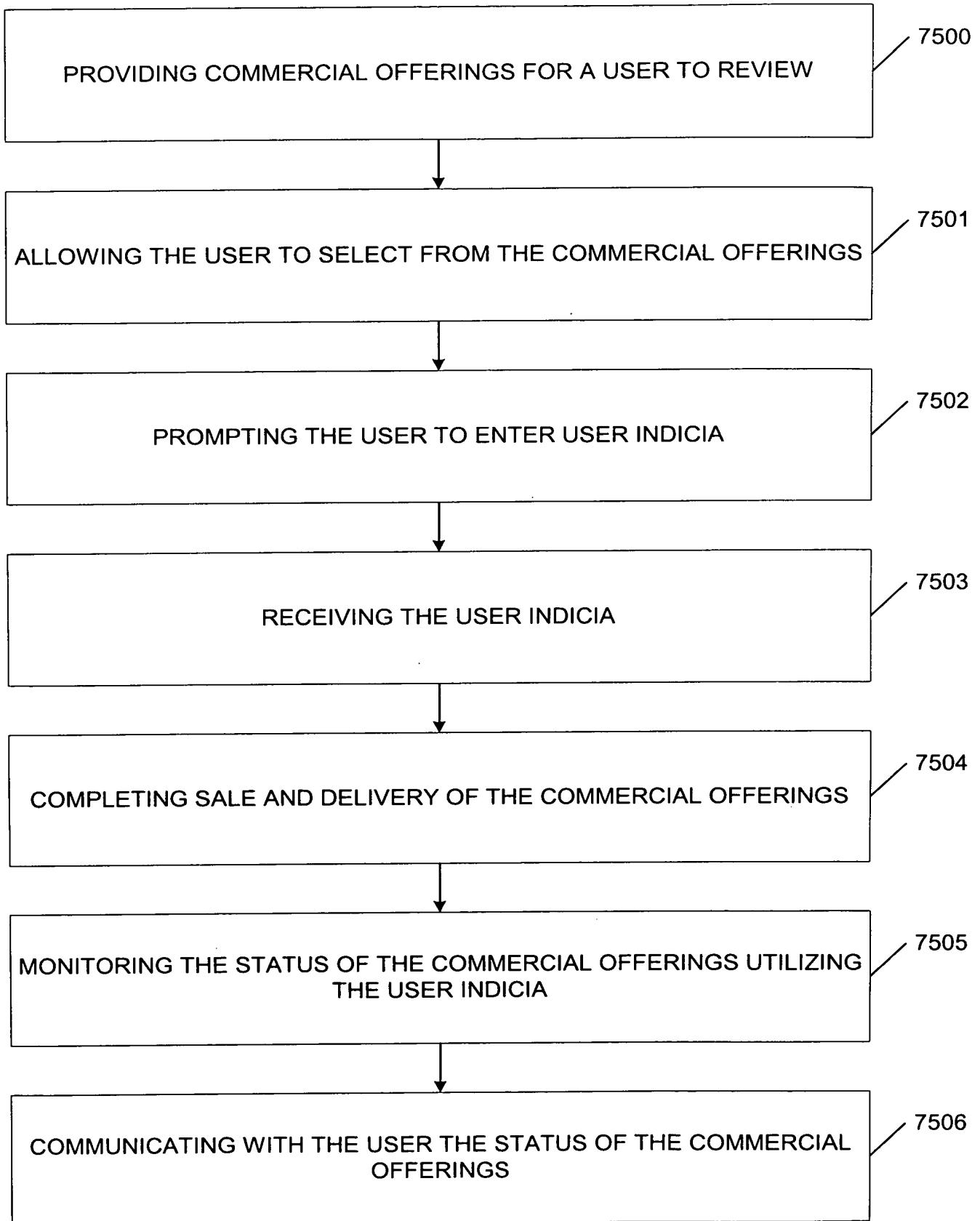


Figure 74



7400

Figure 75

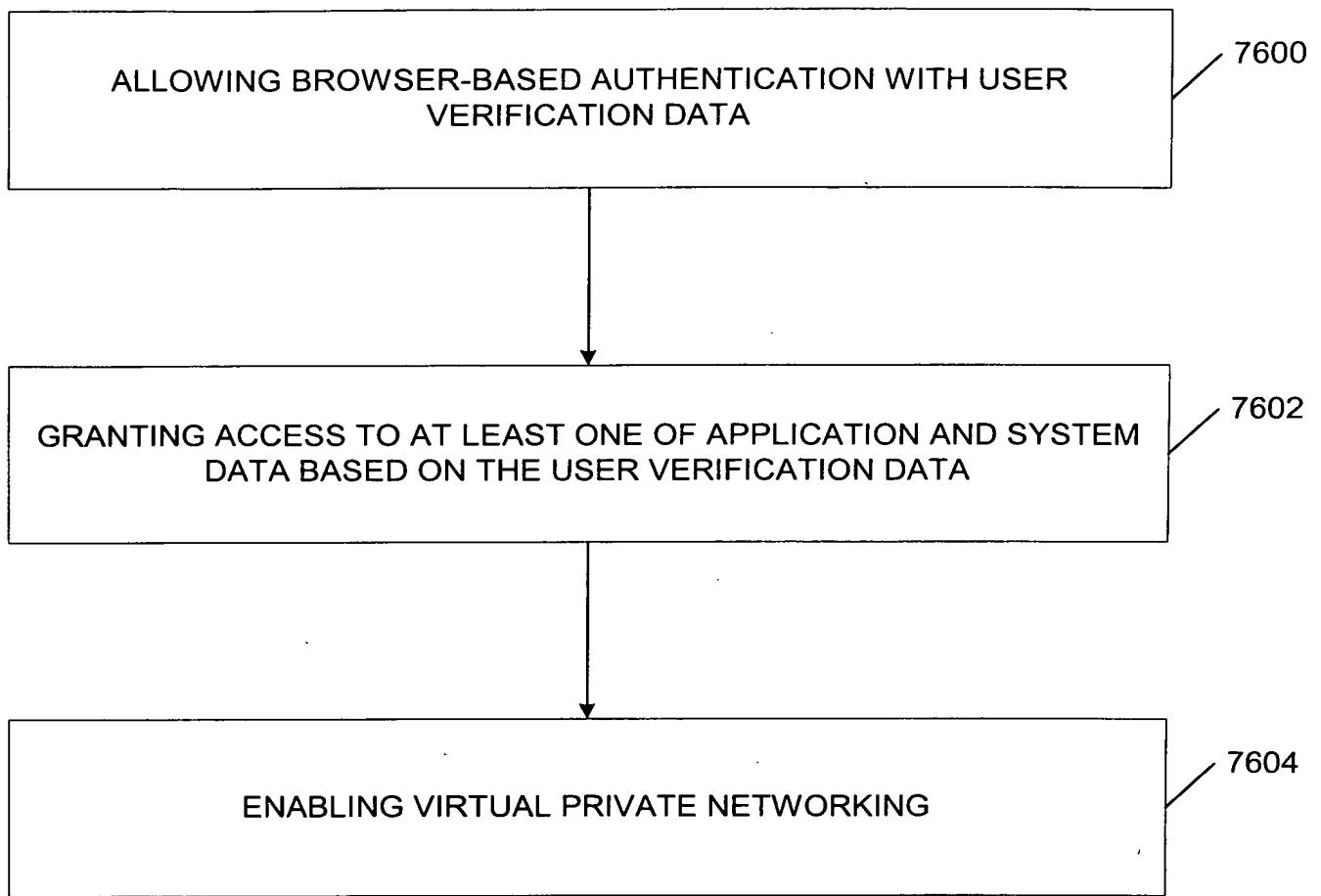


Figure 76

5314

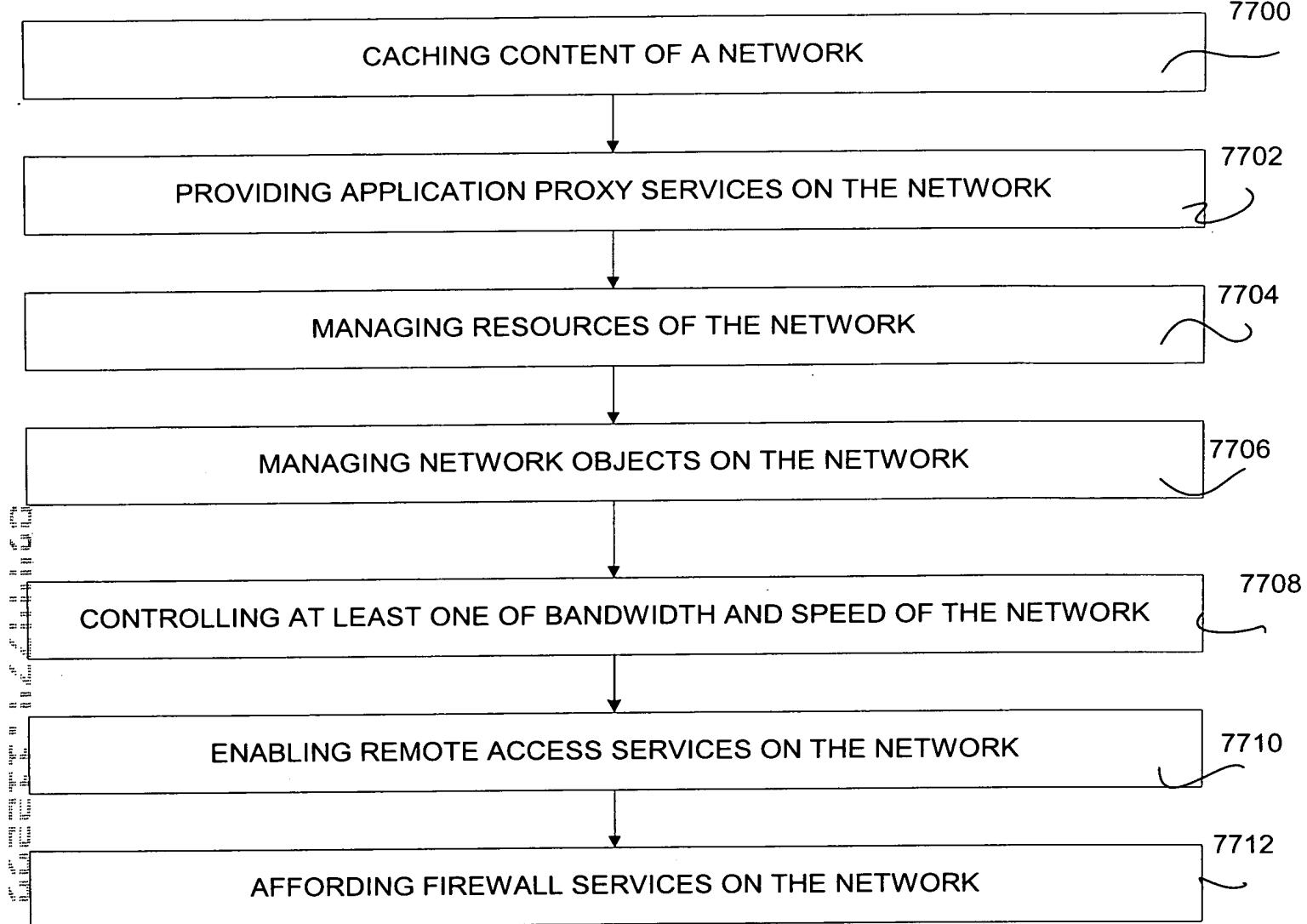


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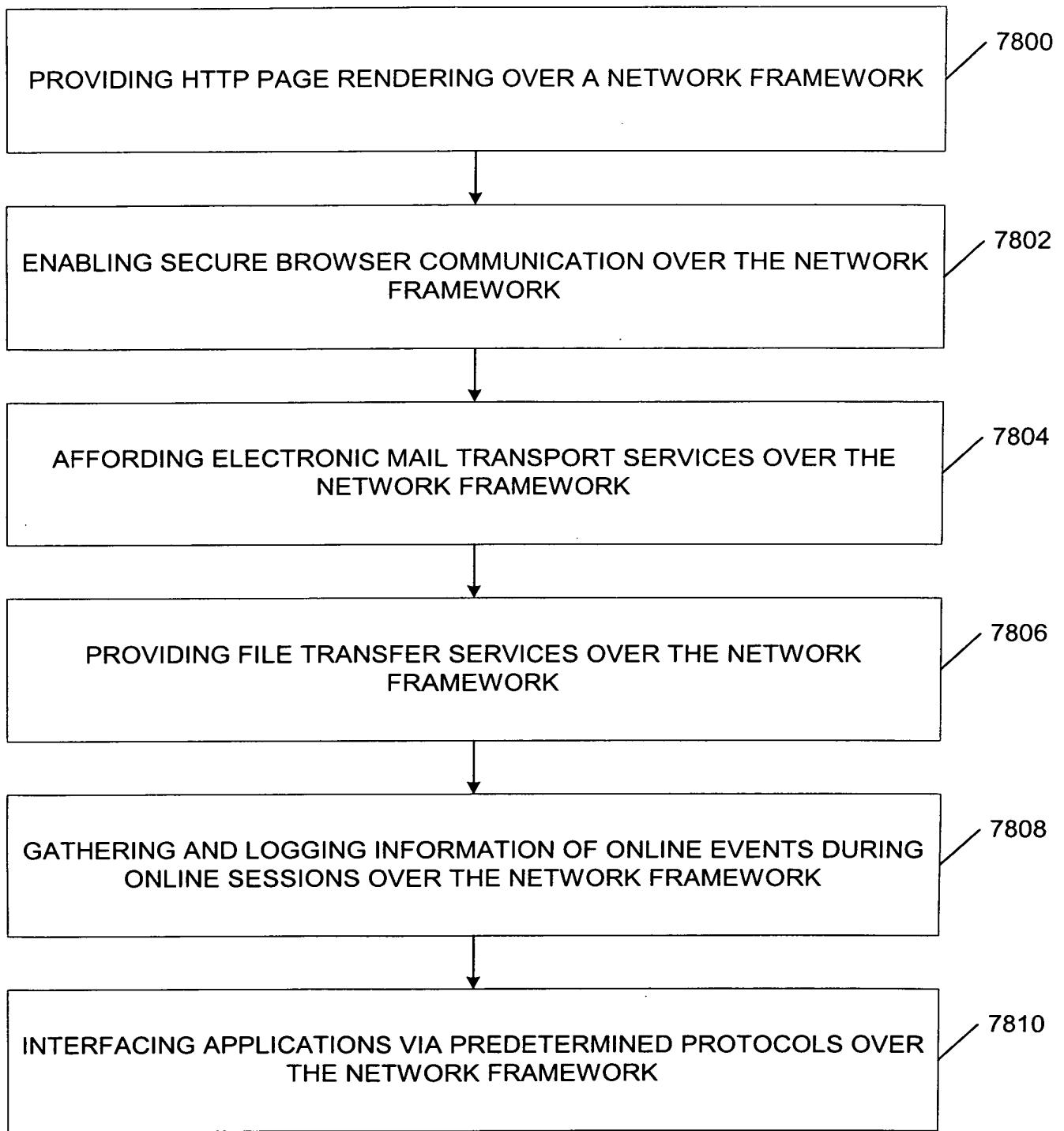
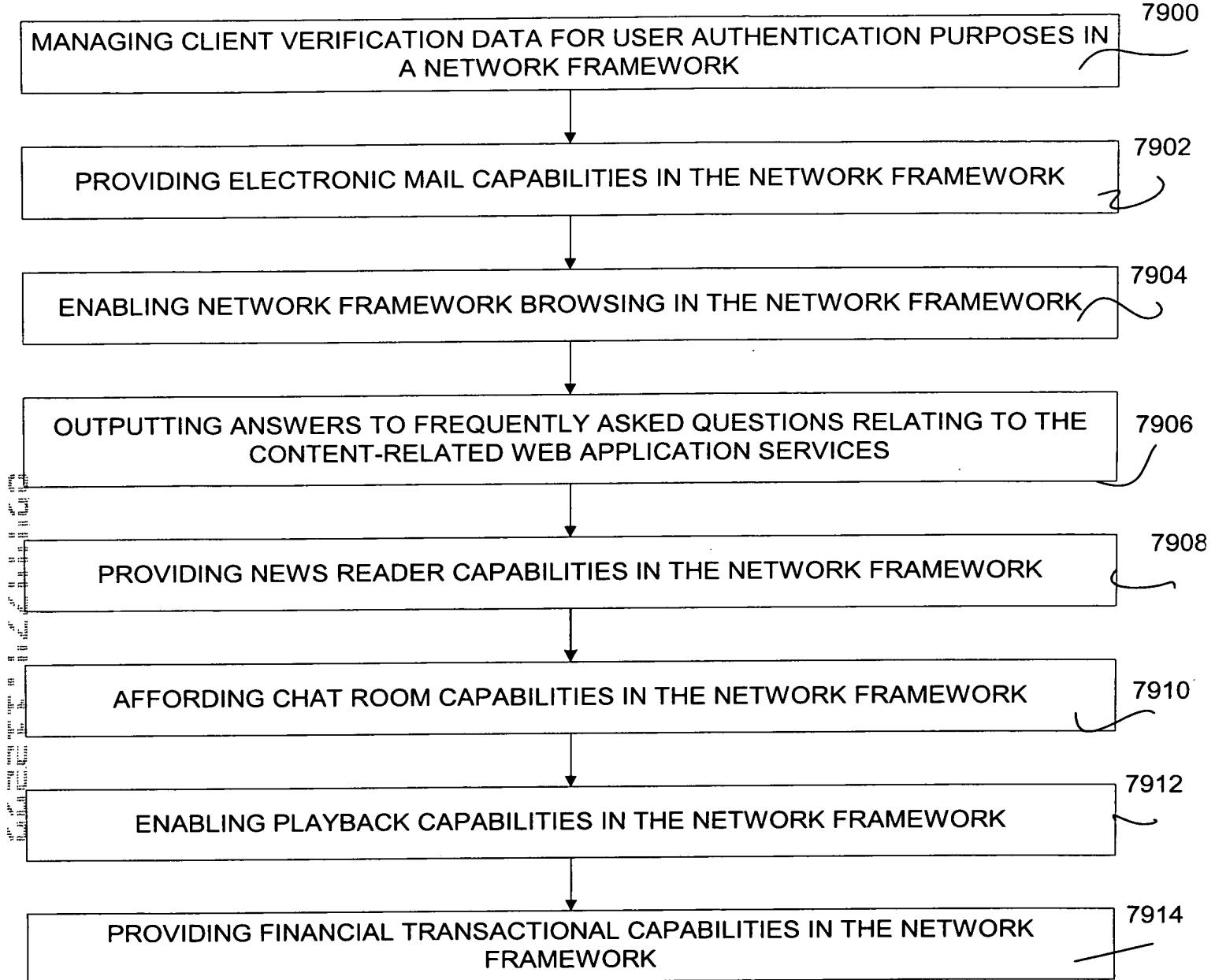


Figure 78



5320

Figure 79

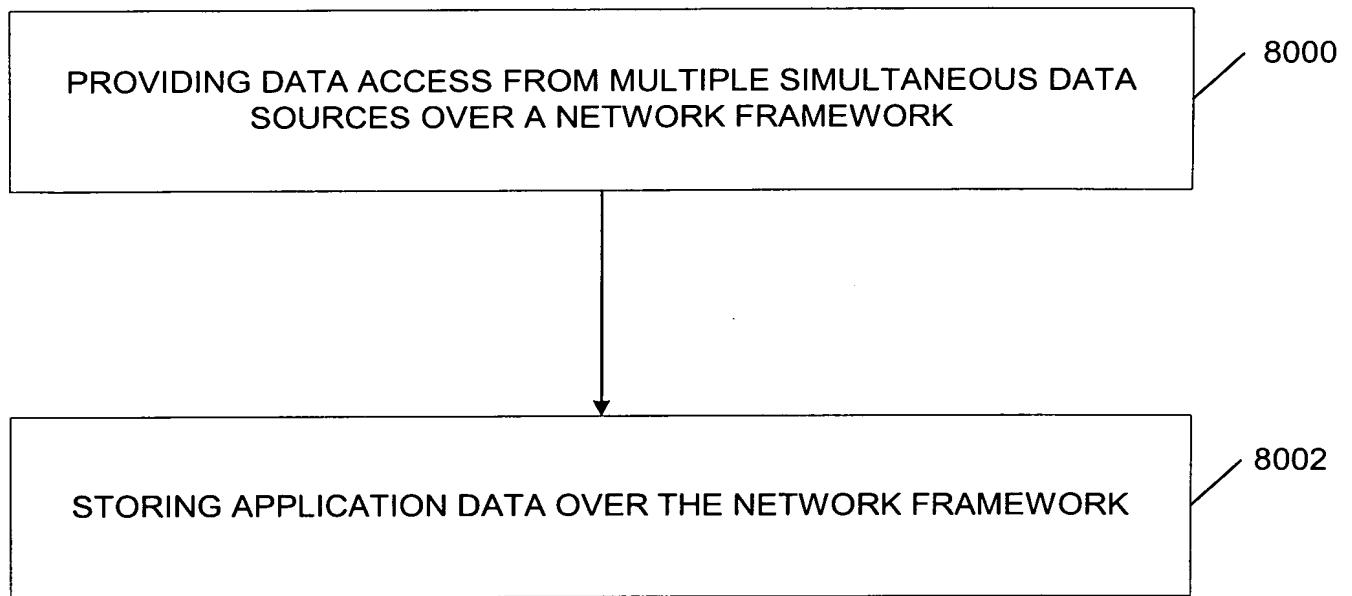
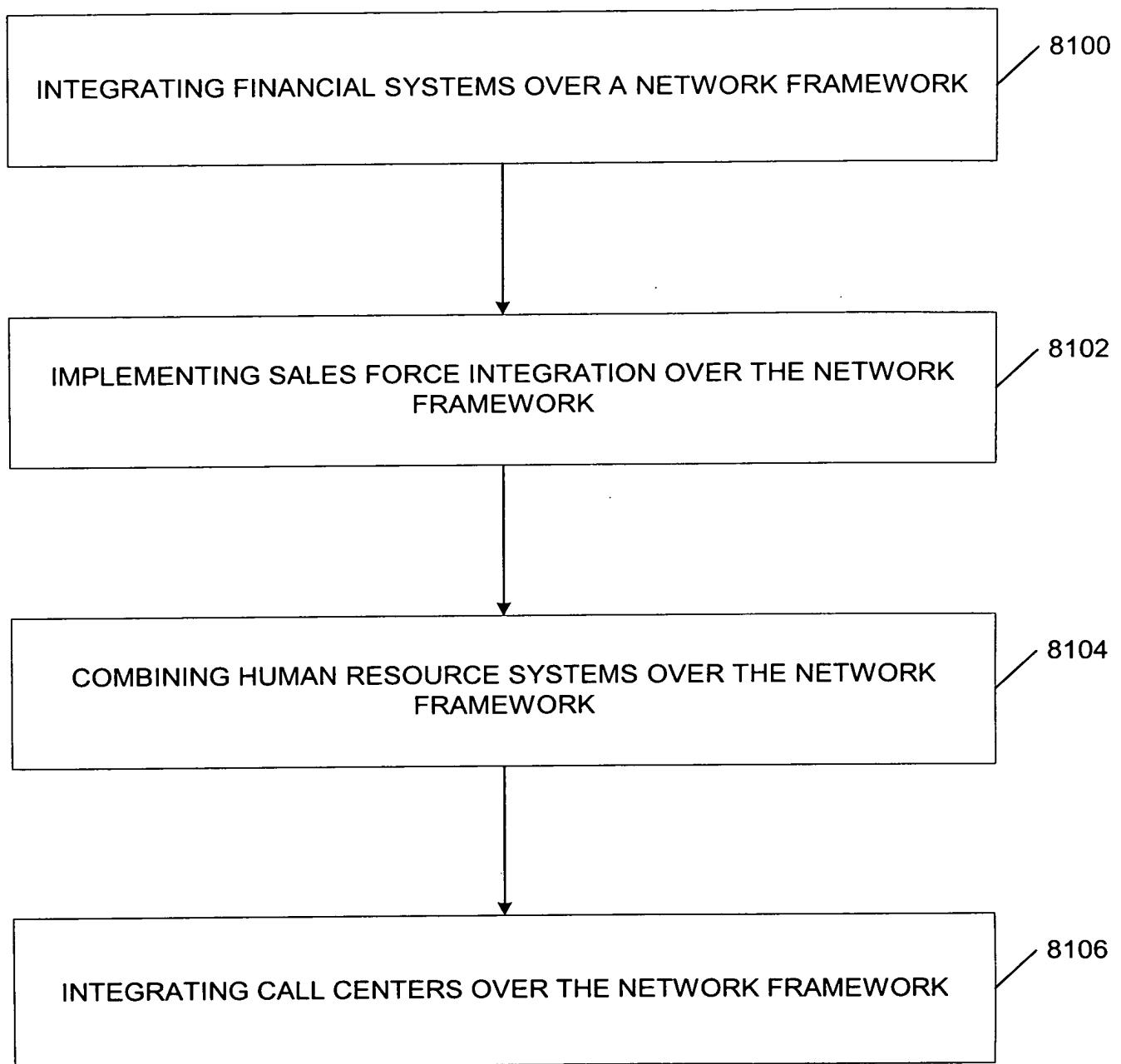


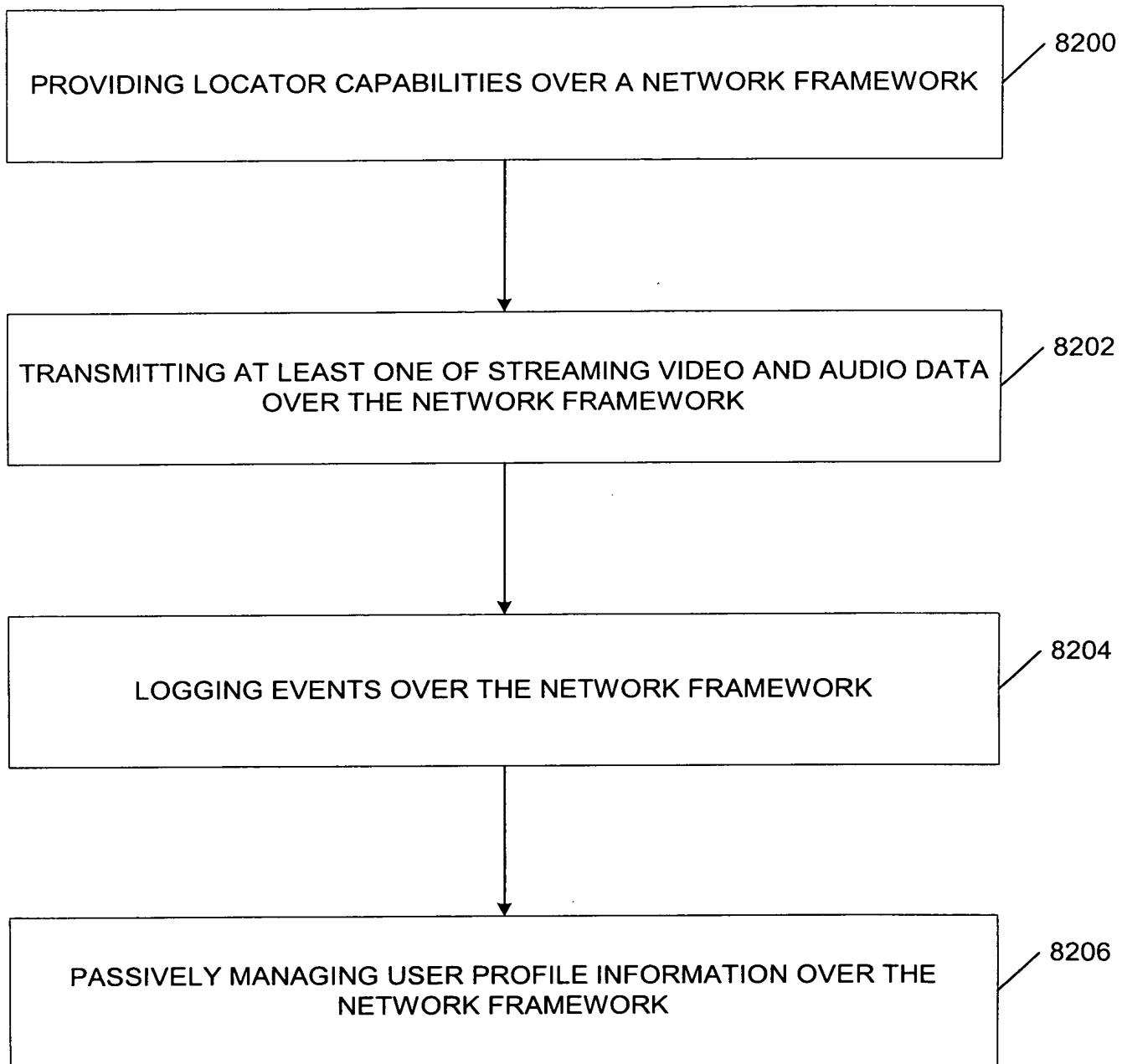
Figure 80

5324



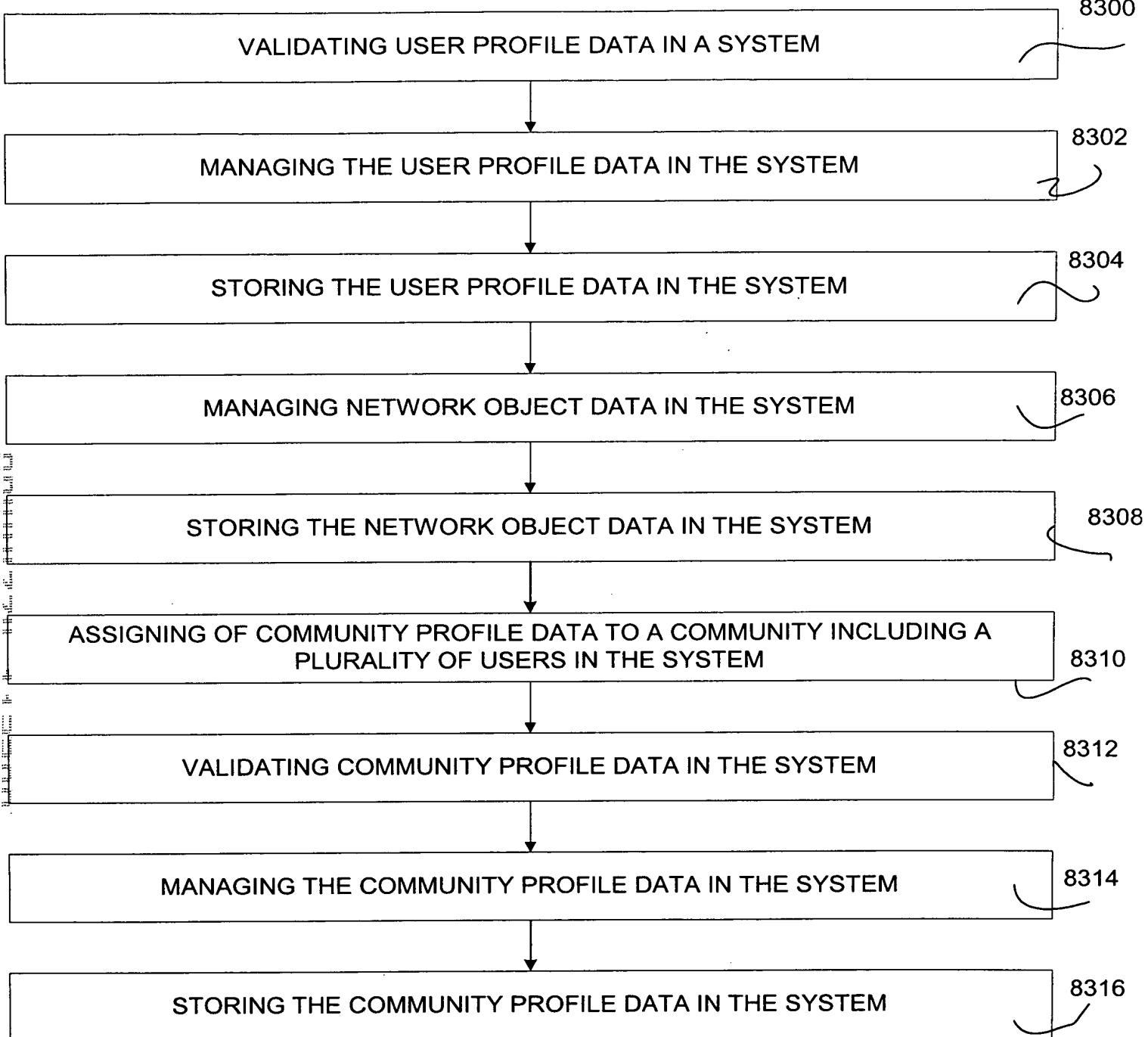
5812

Figure 81



5326

Figure 82



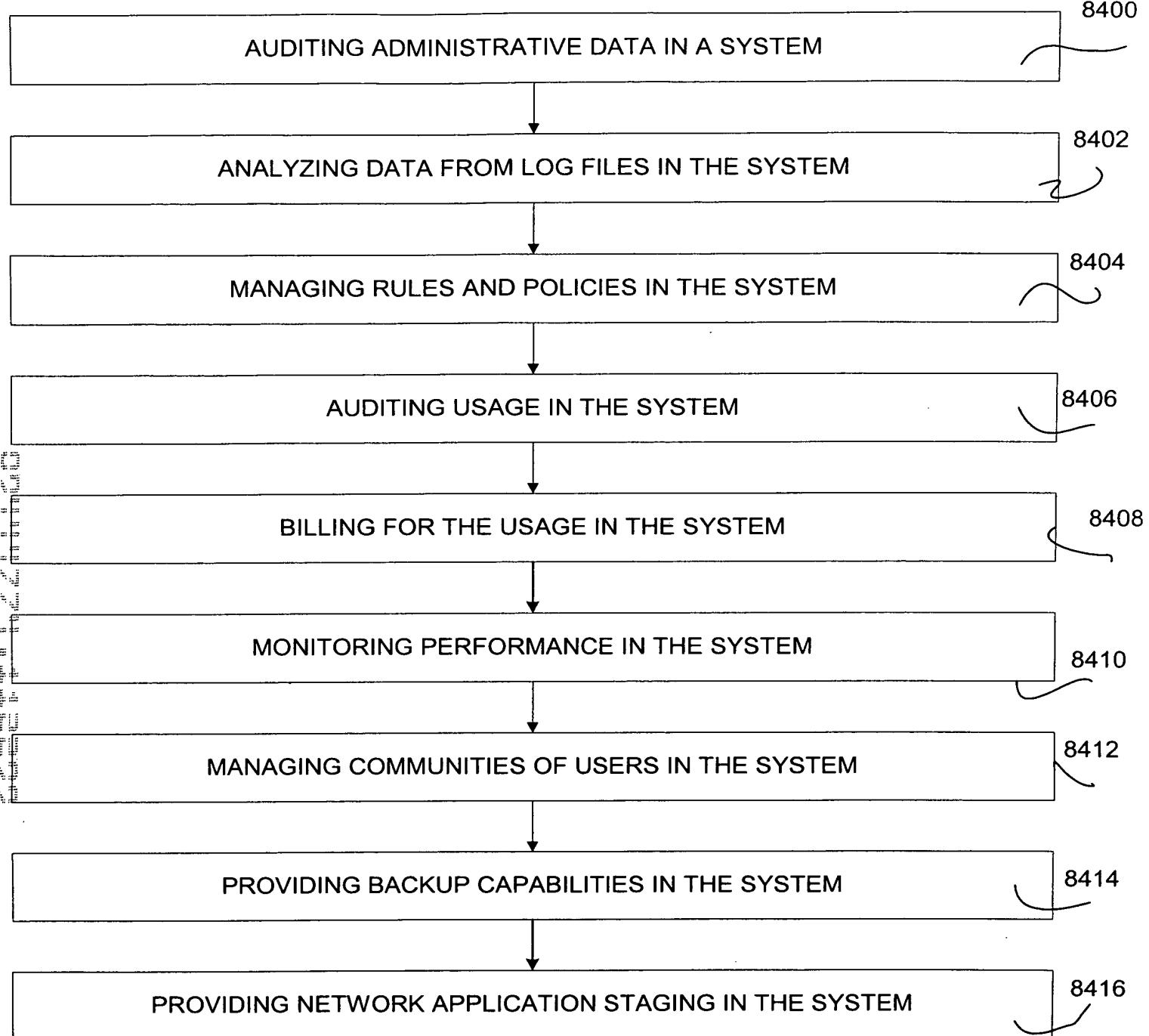
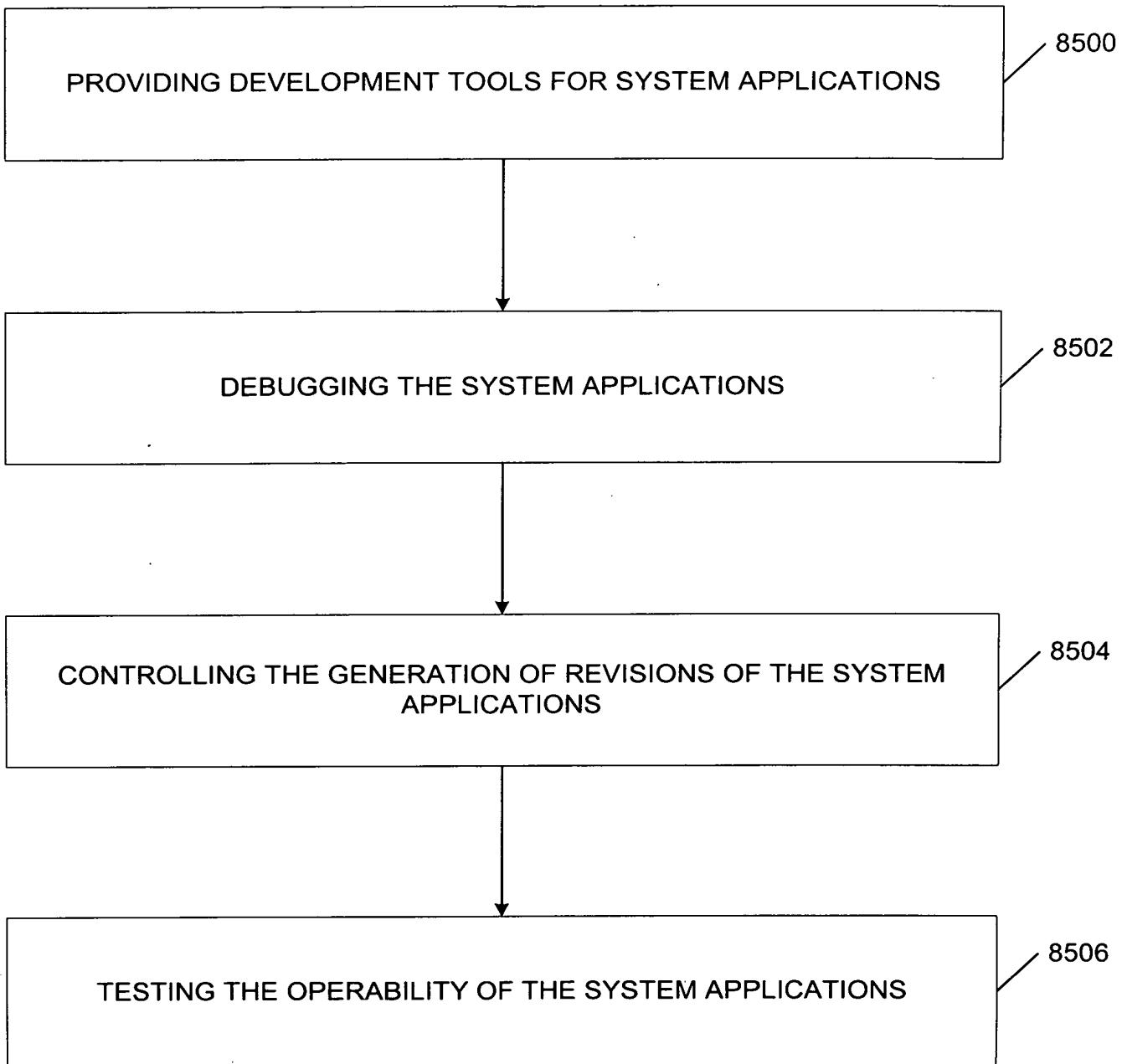


Figure 84



5332

Figure 85

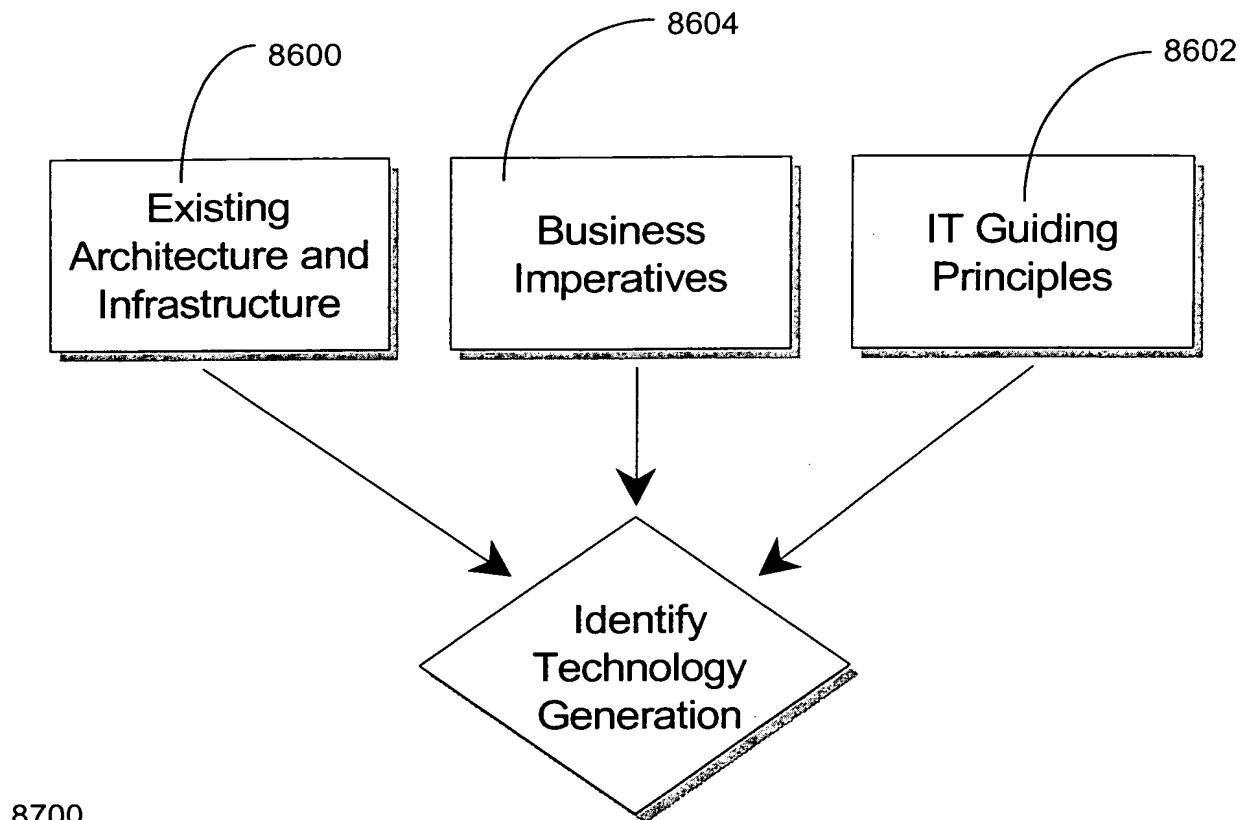


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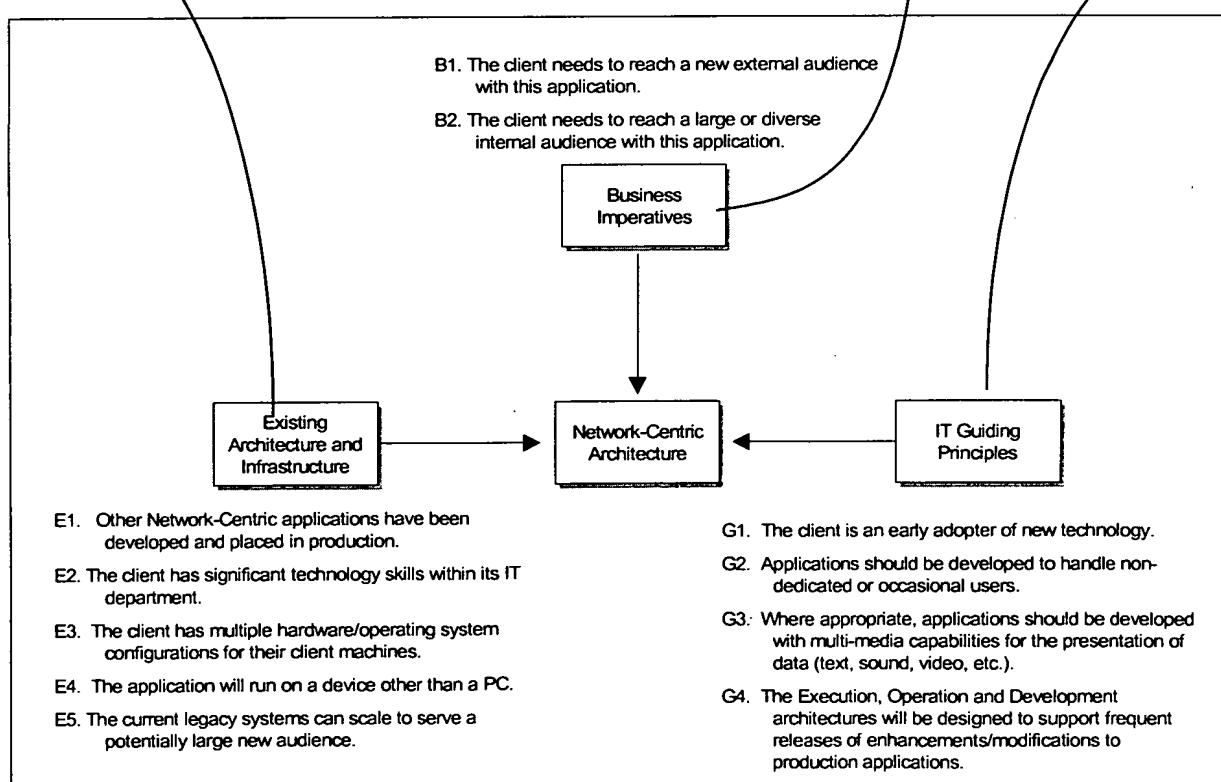


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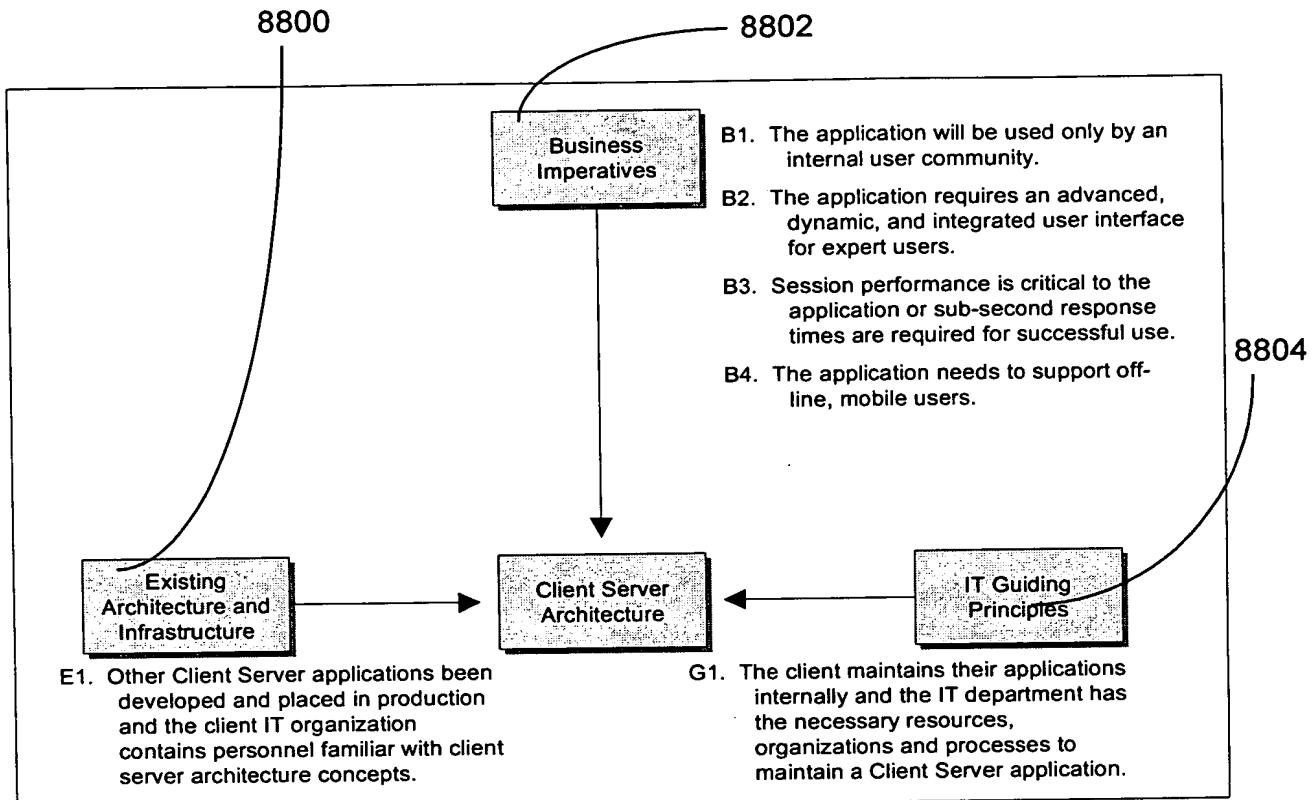
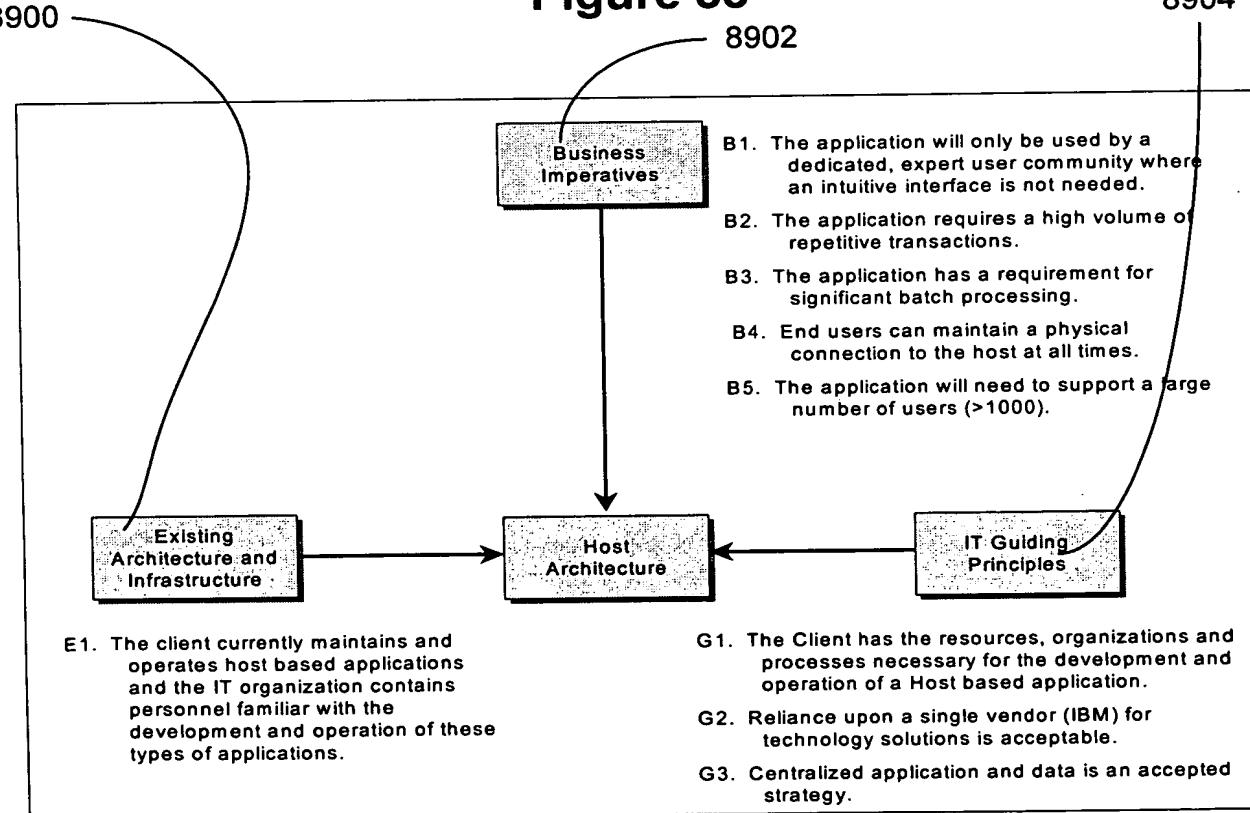


Figure 88



Figur 89

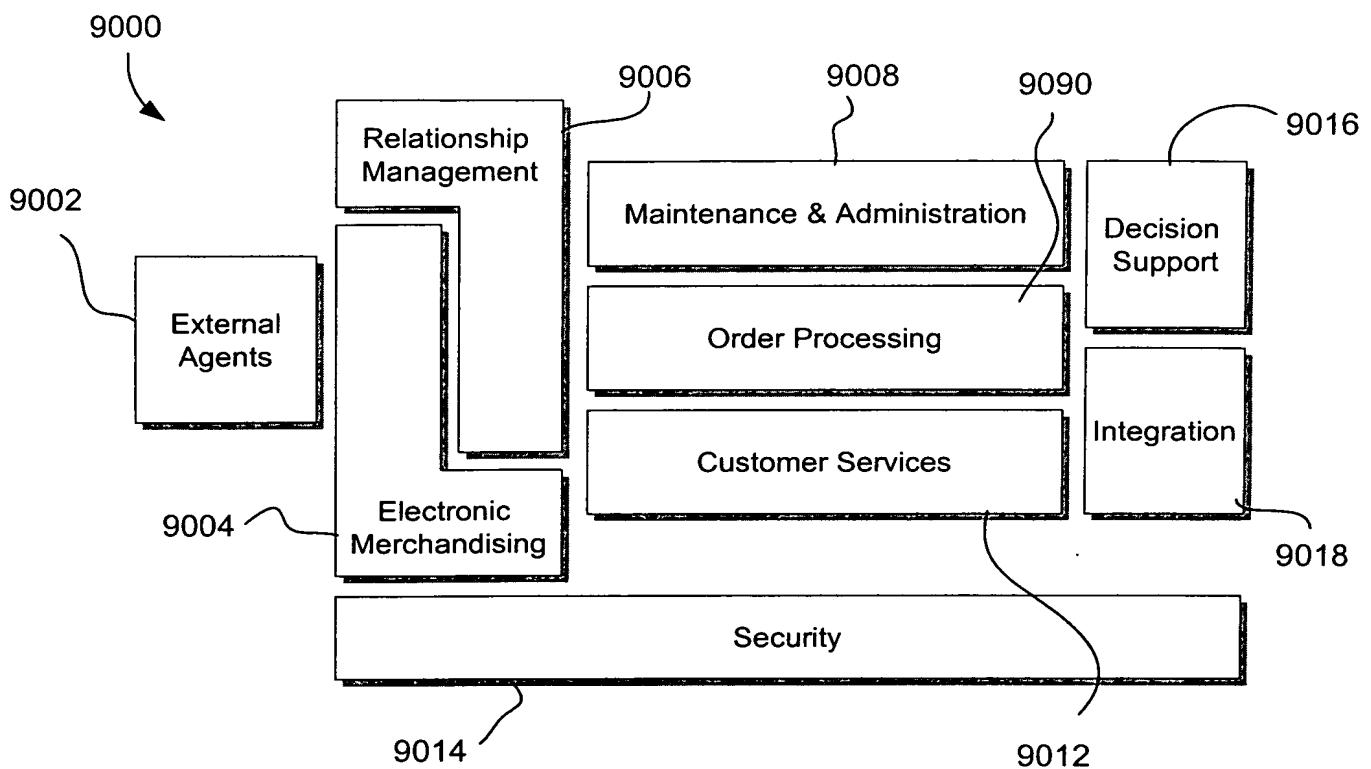


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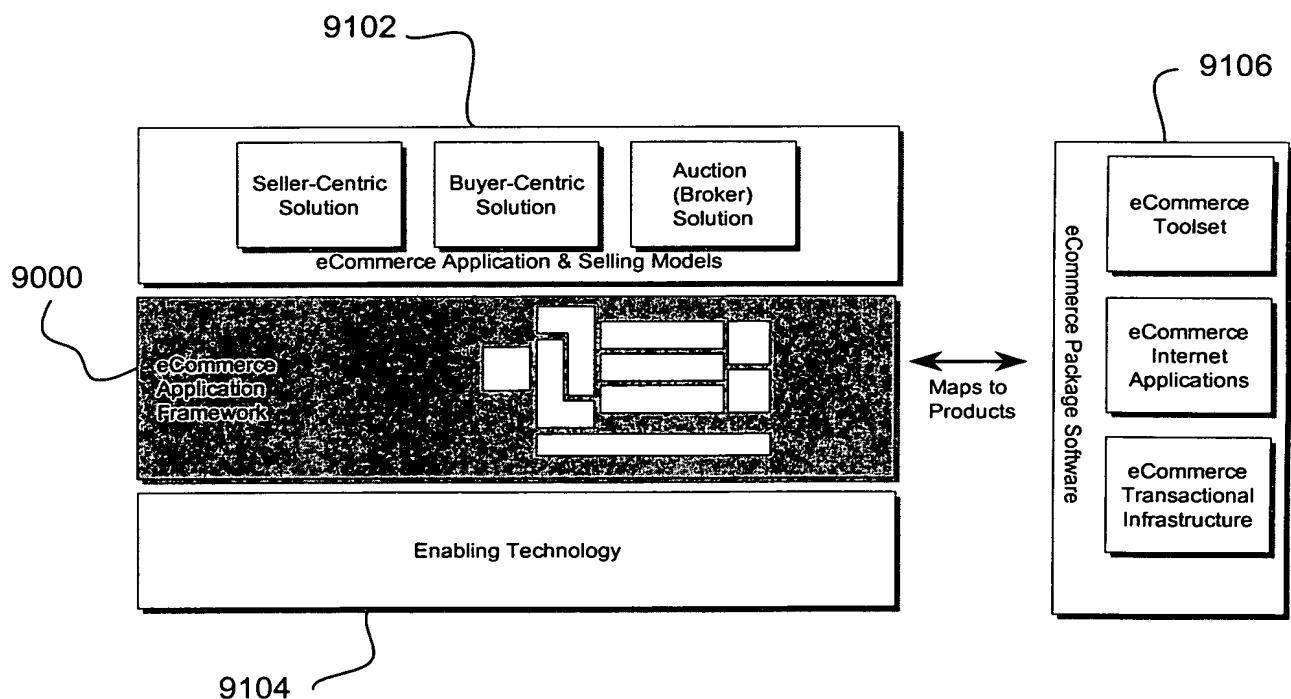


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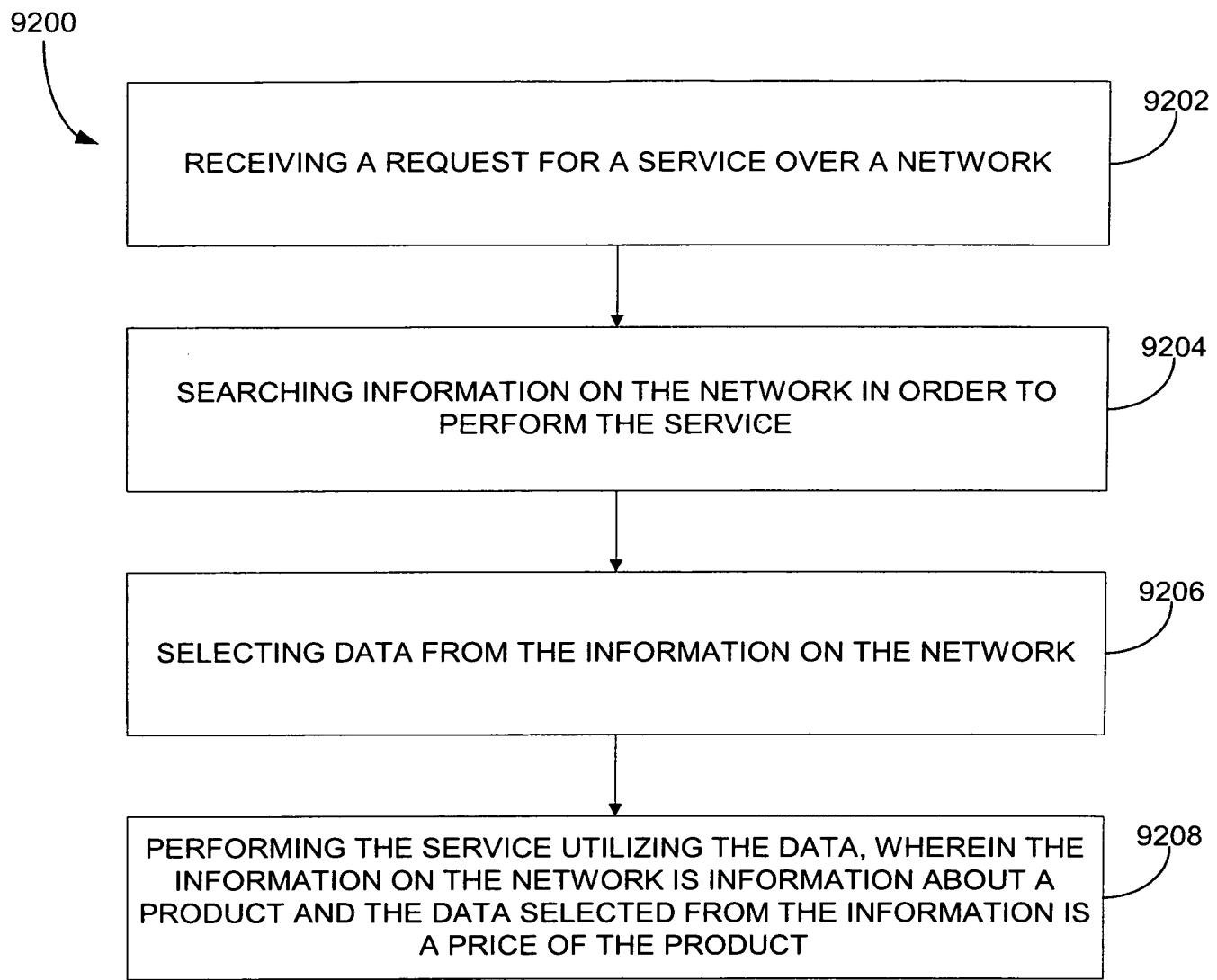


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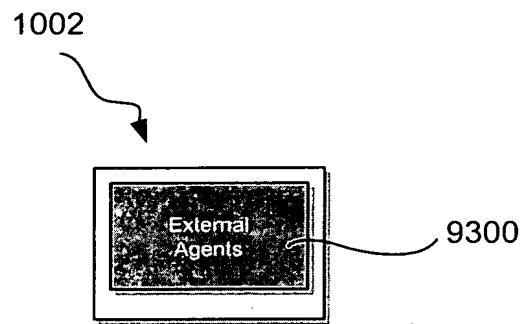


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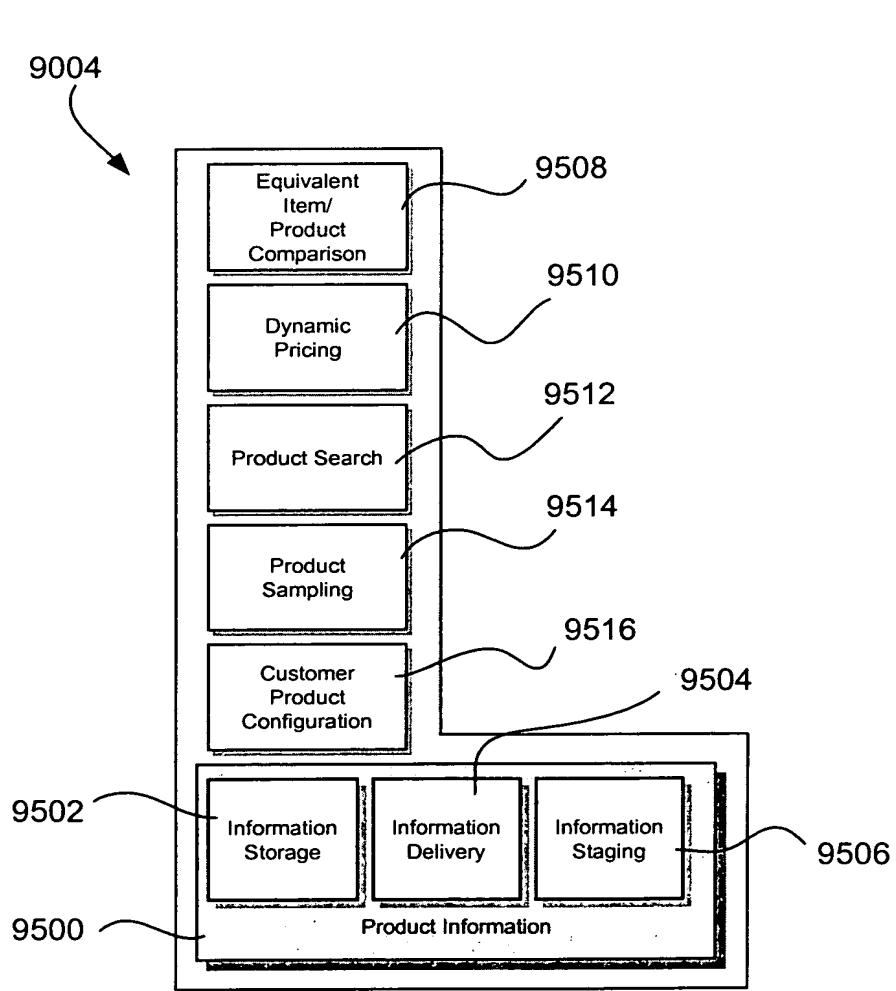


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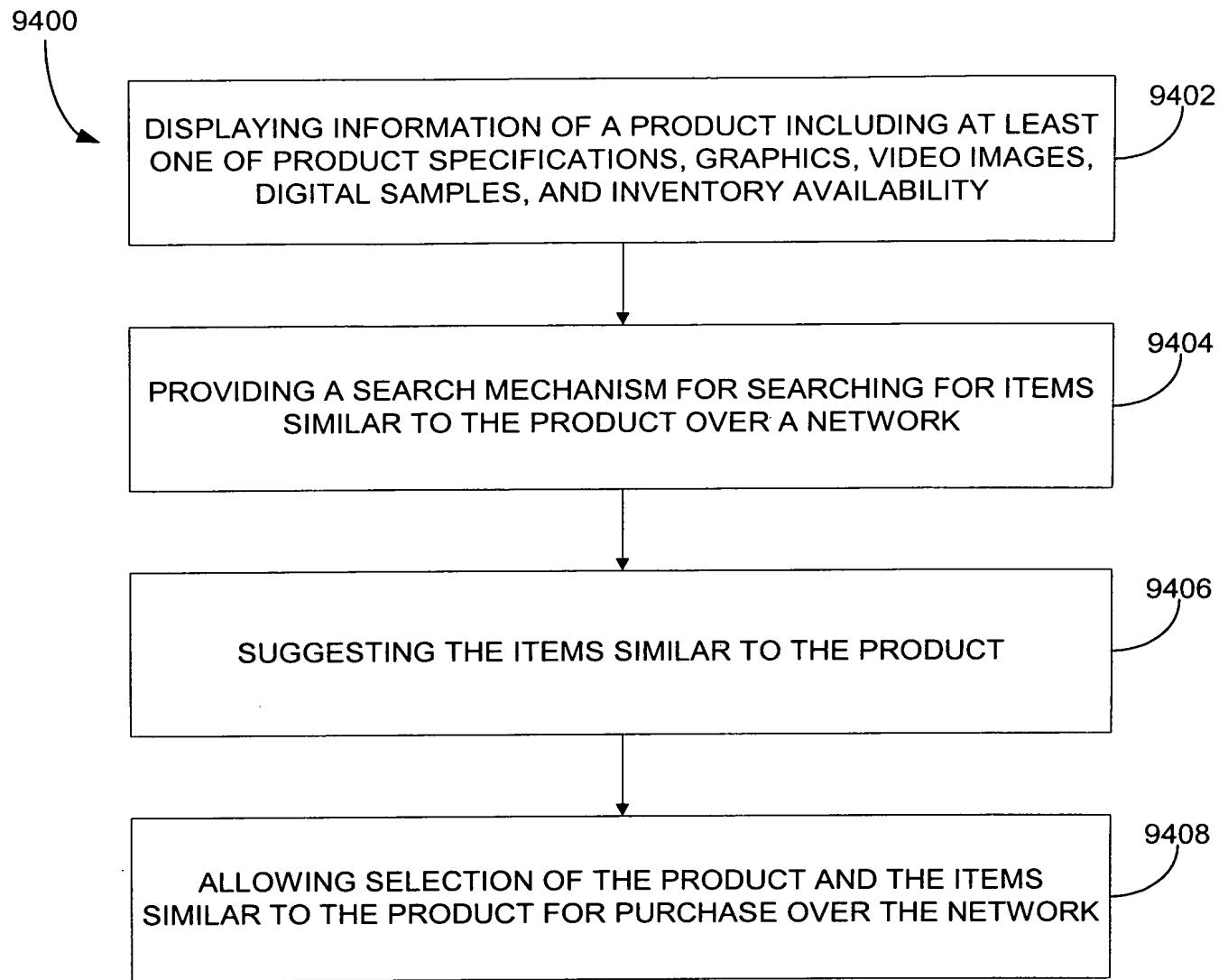


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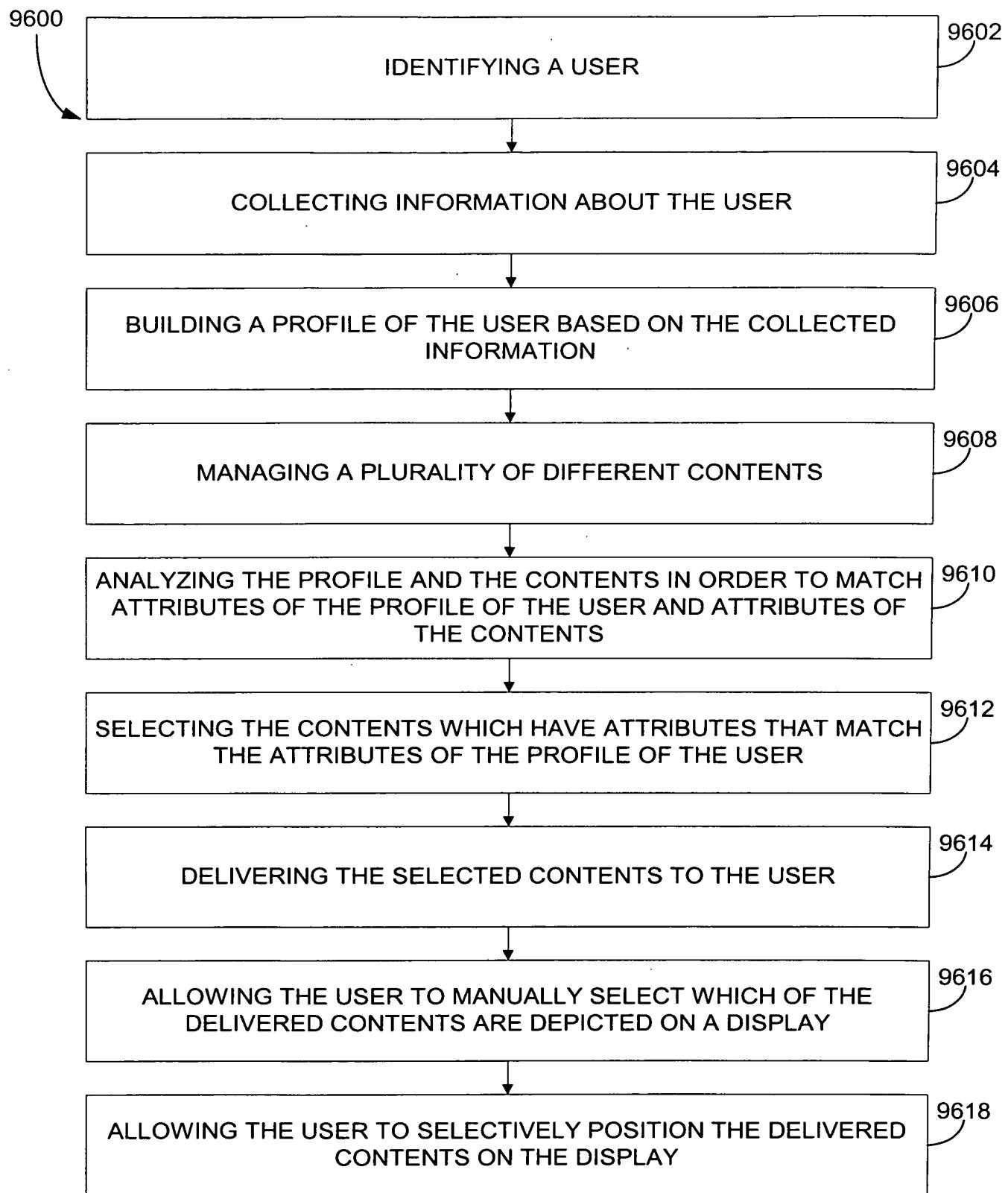


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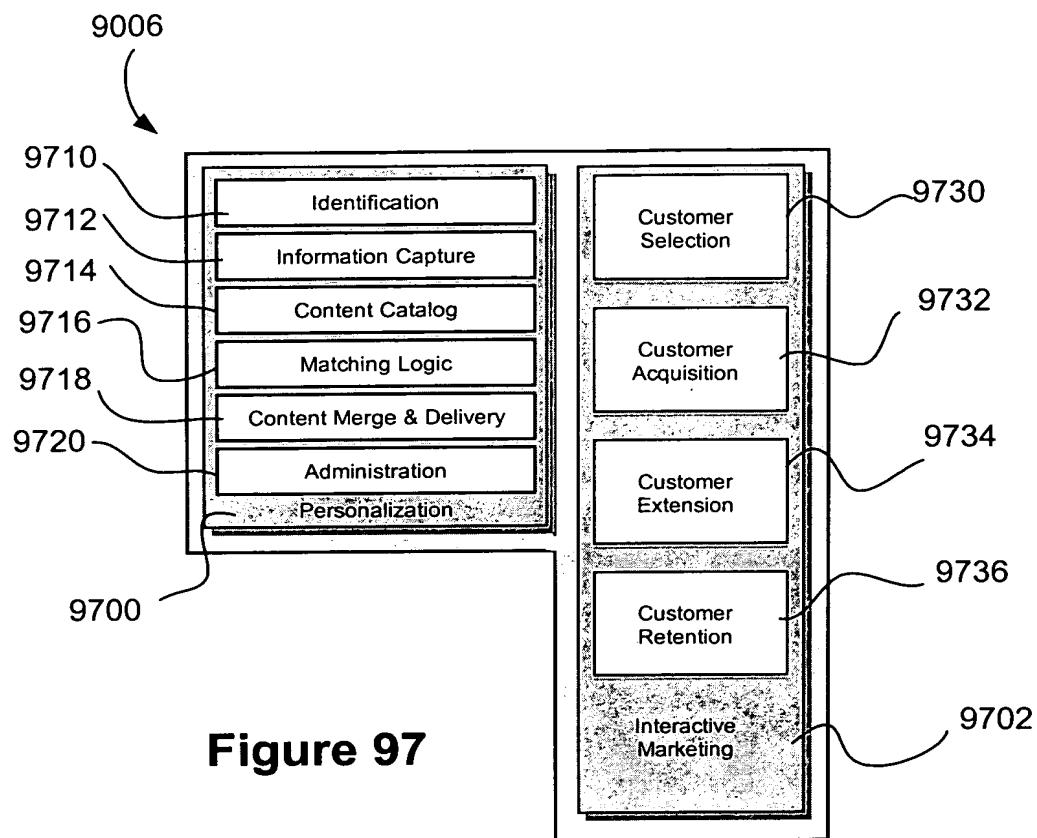


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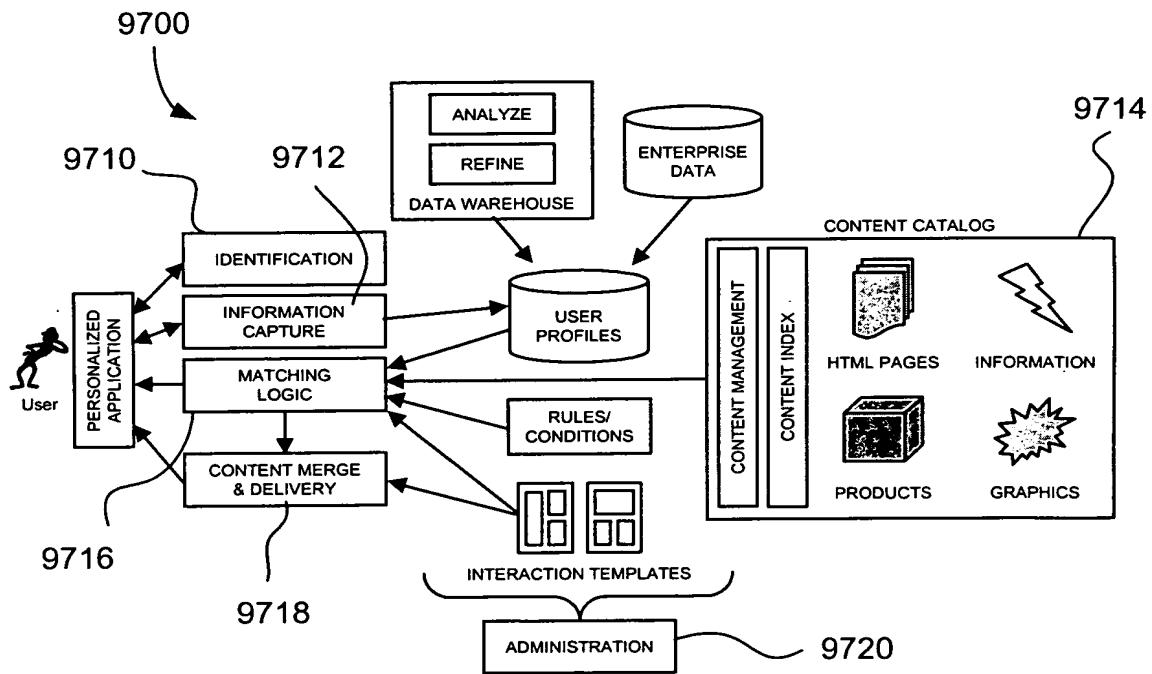


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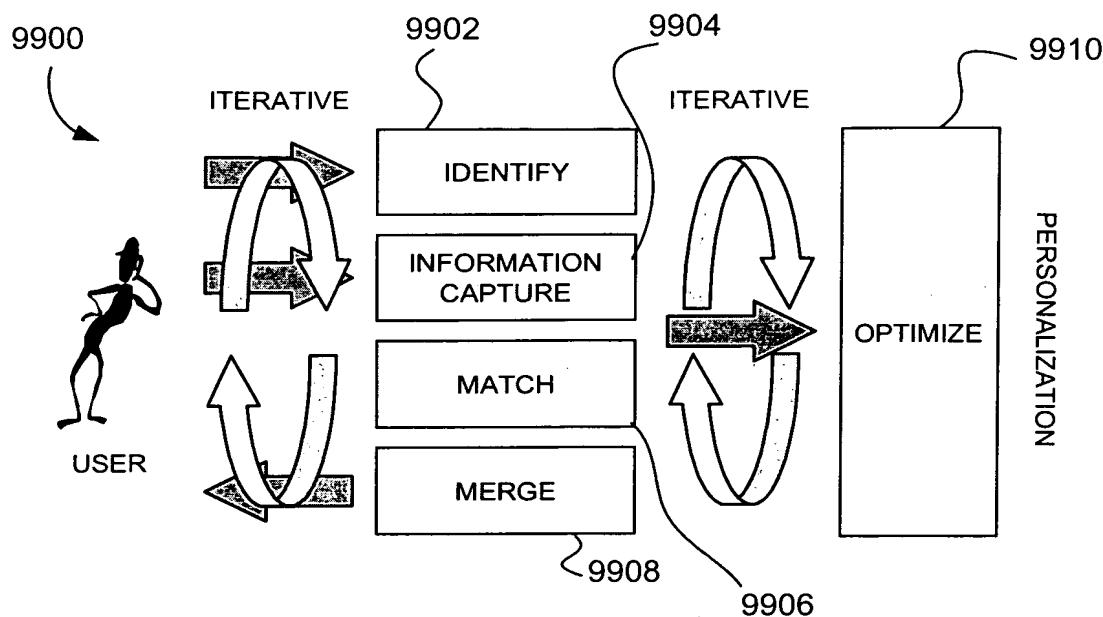


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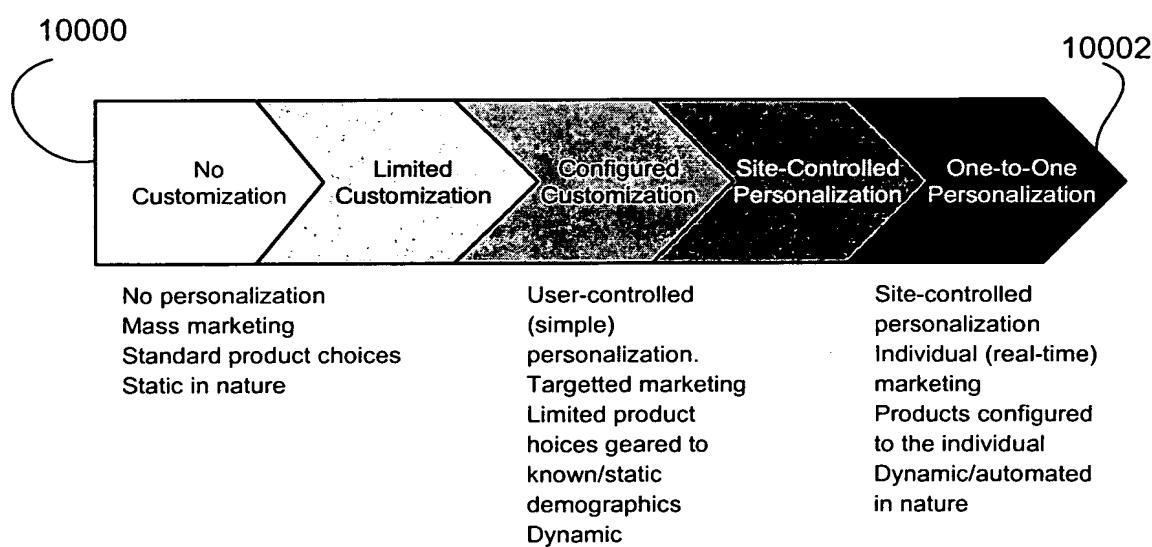


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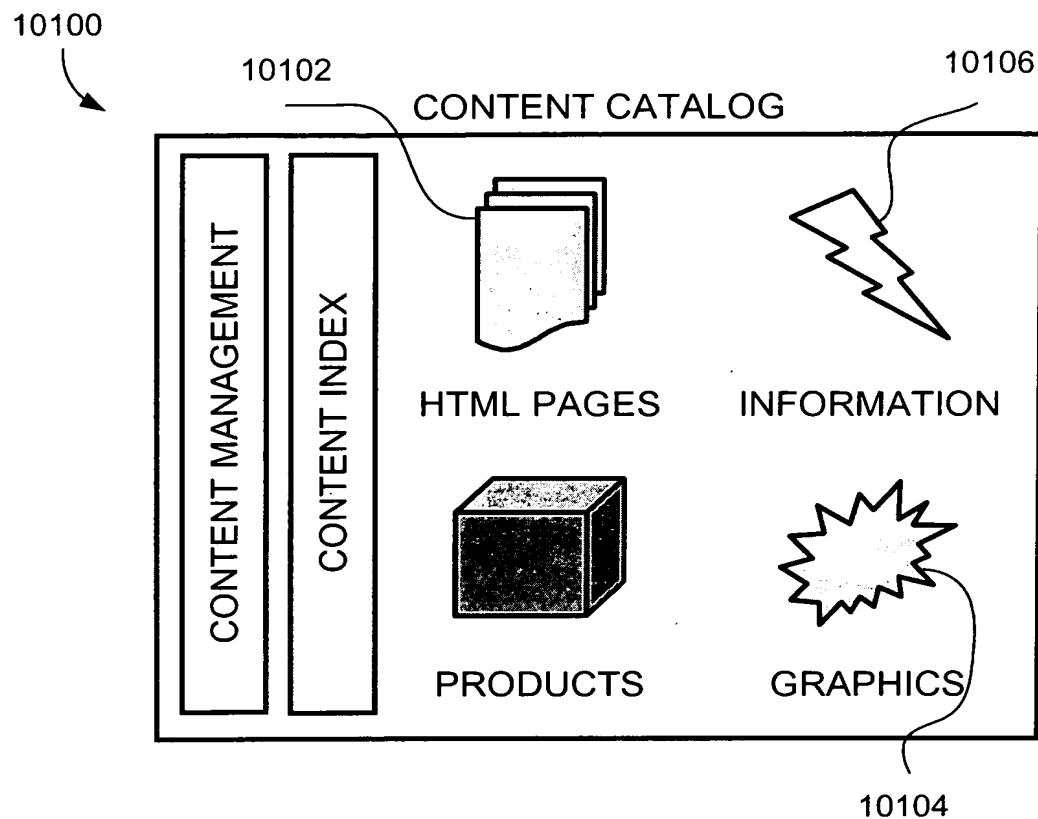


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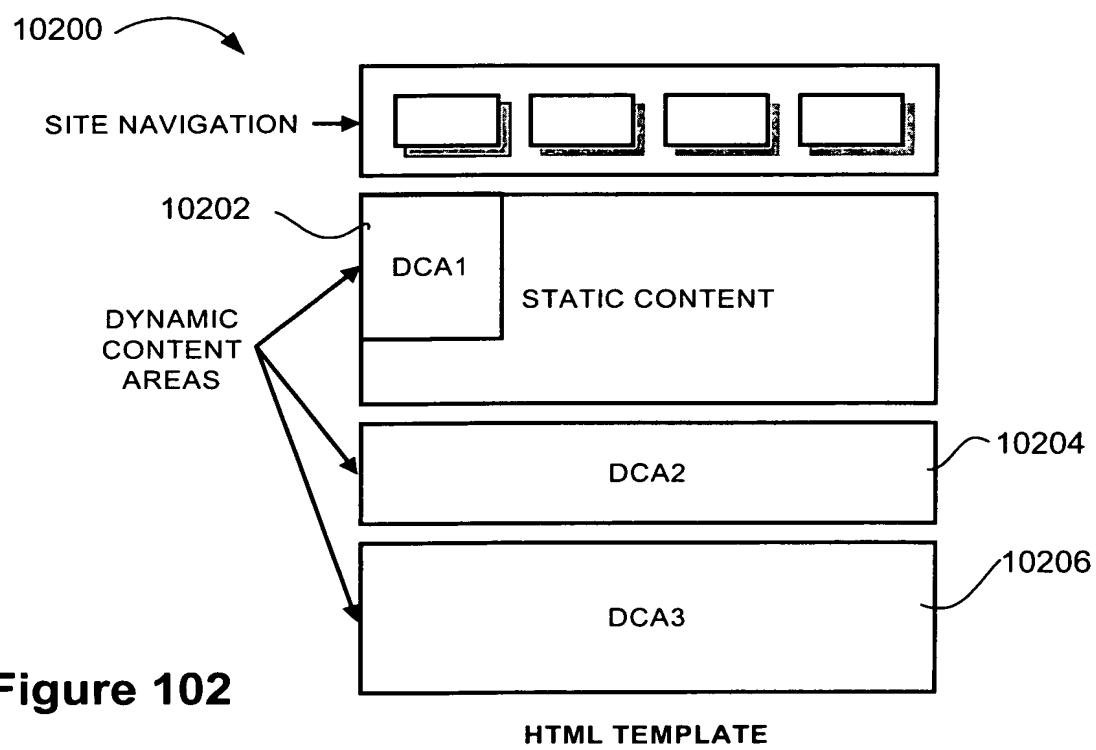


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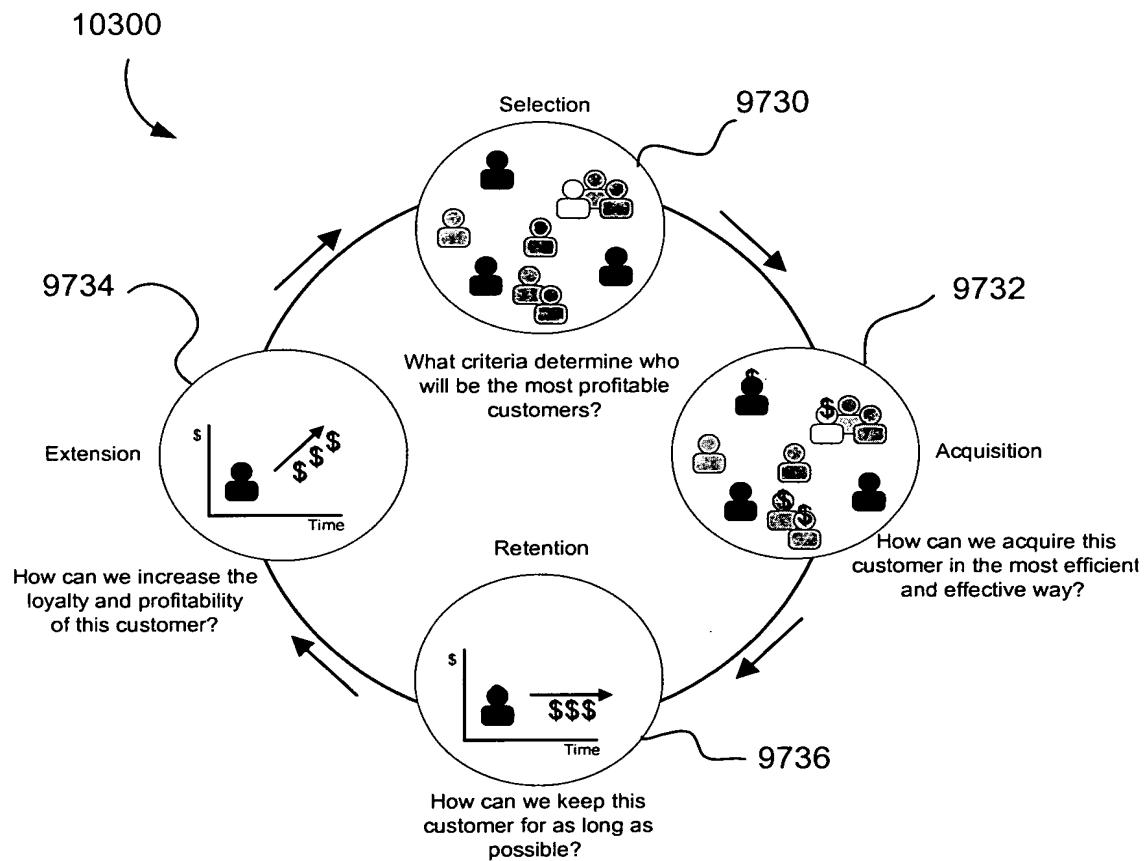


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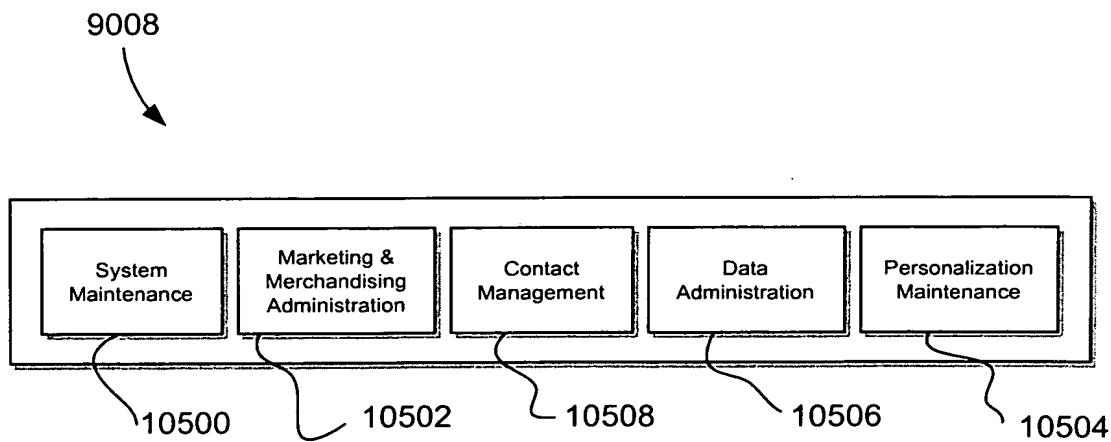


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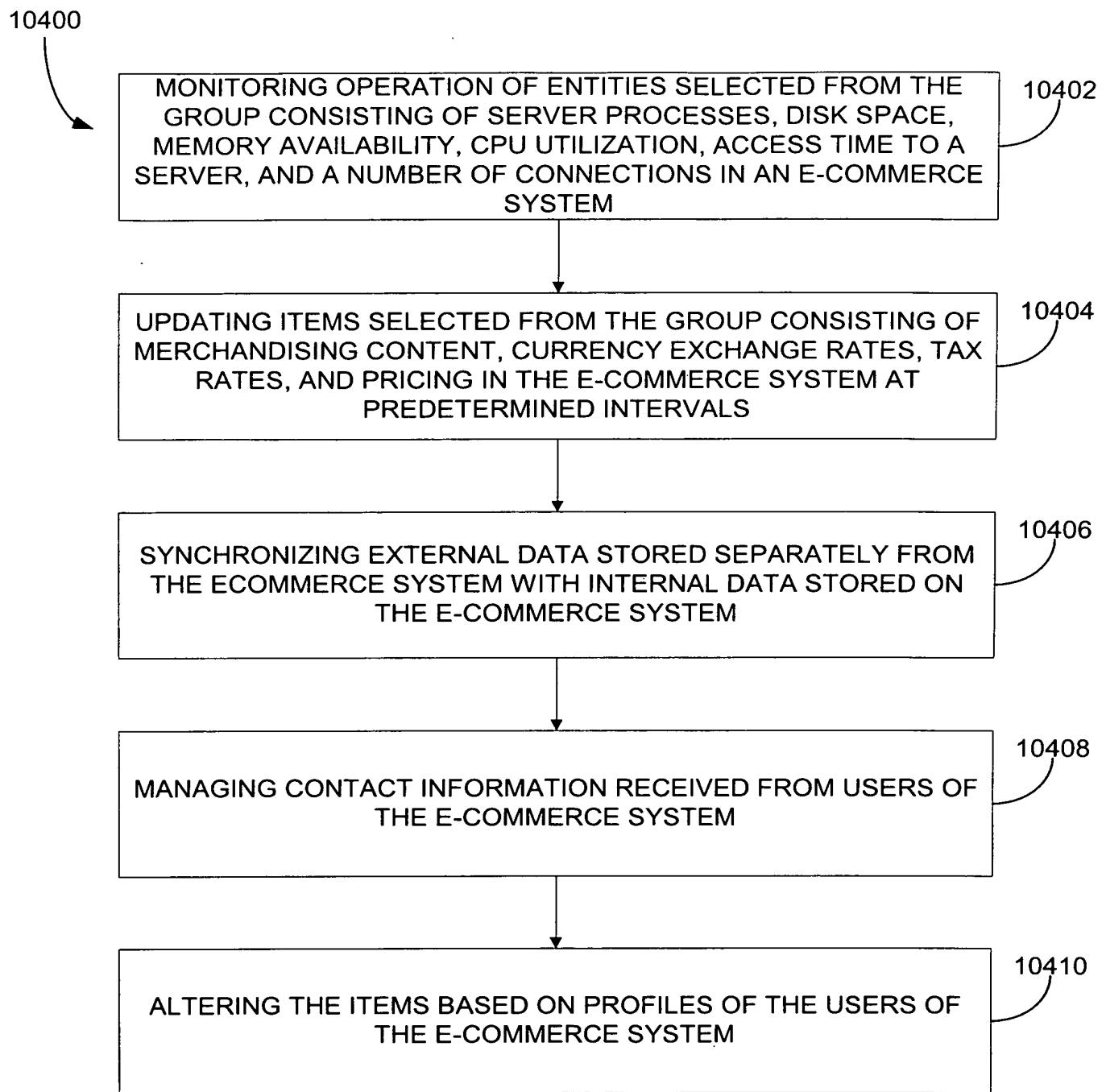


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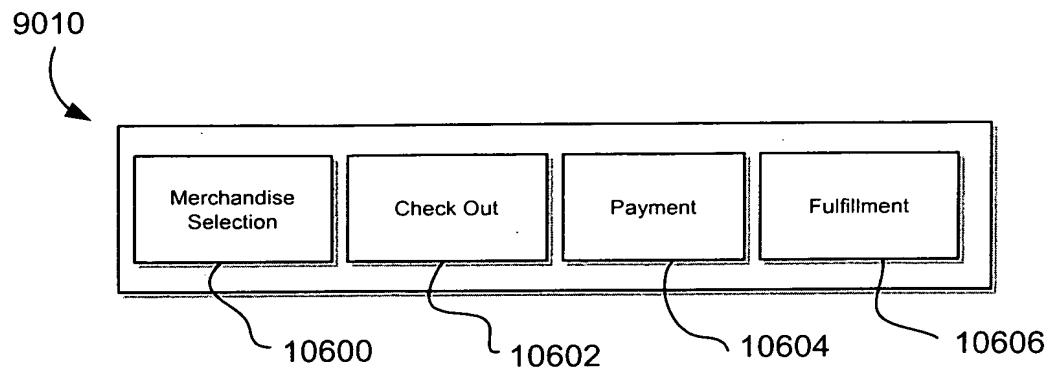


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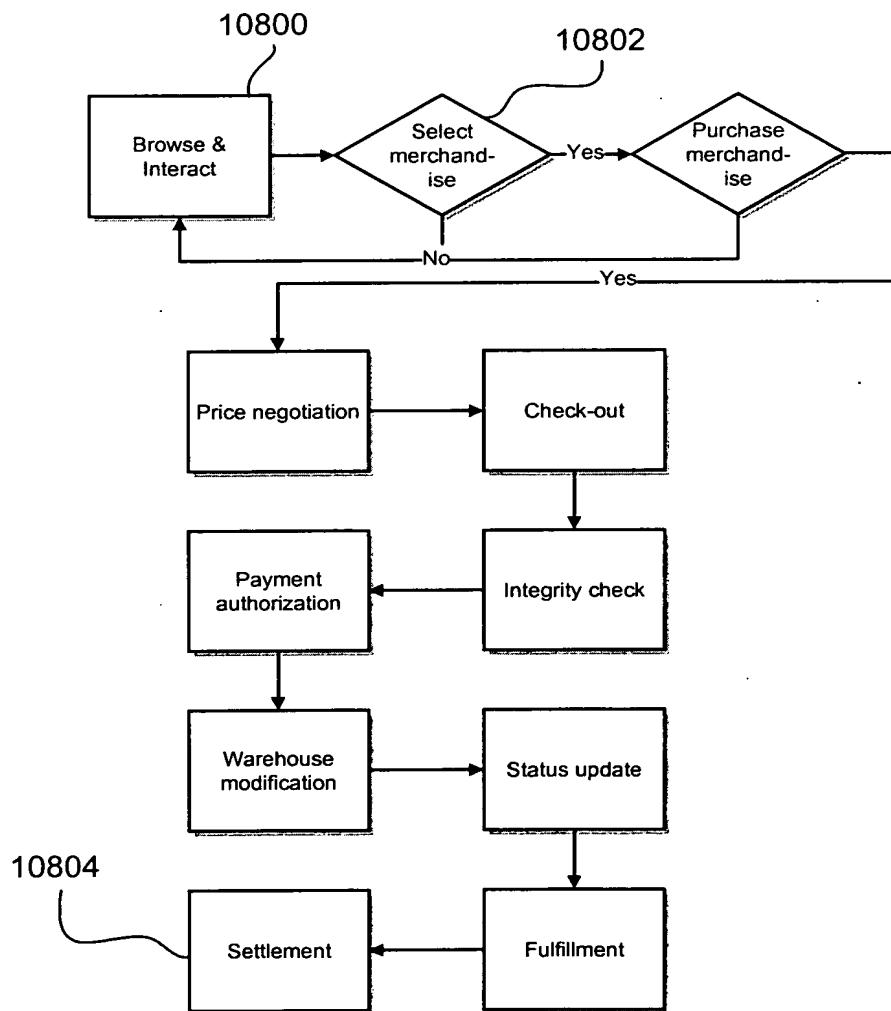


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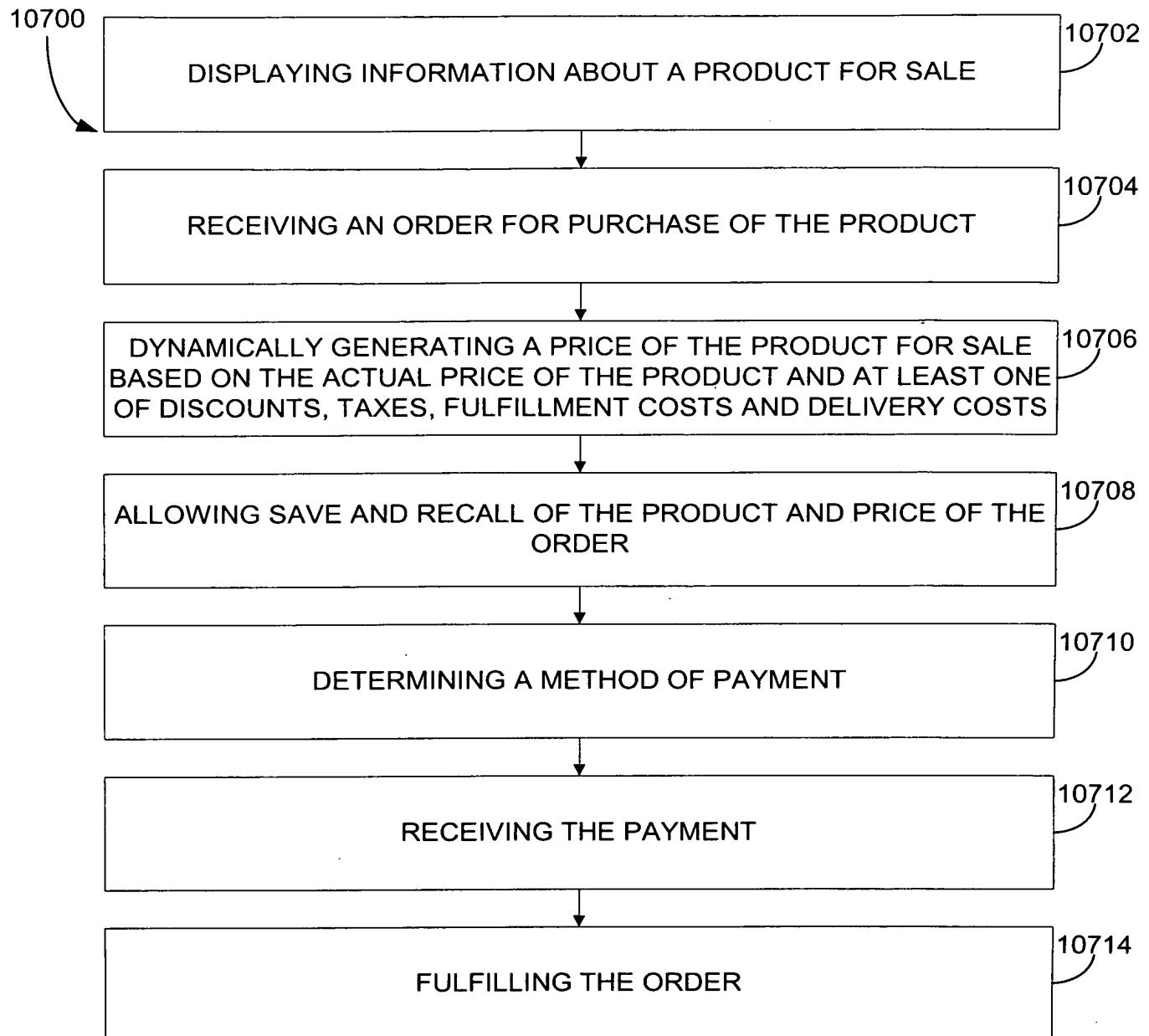


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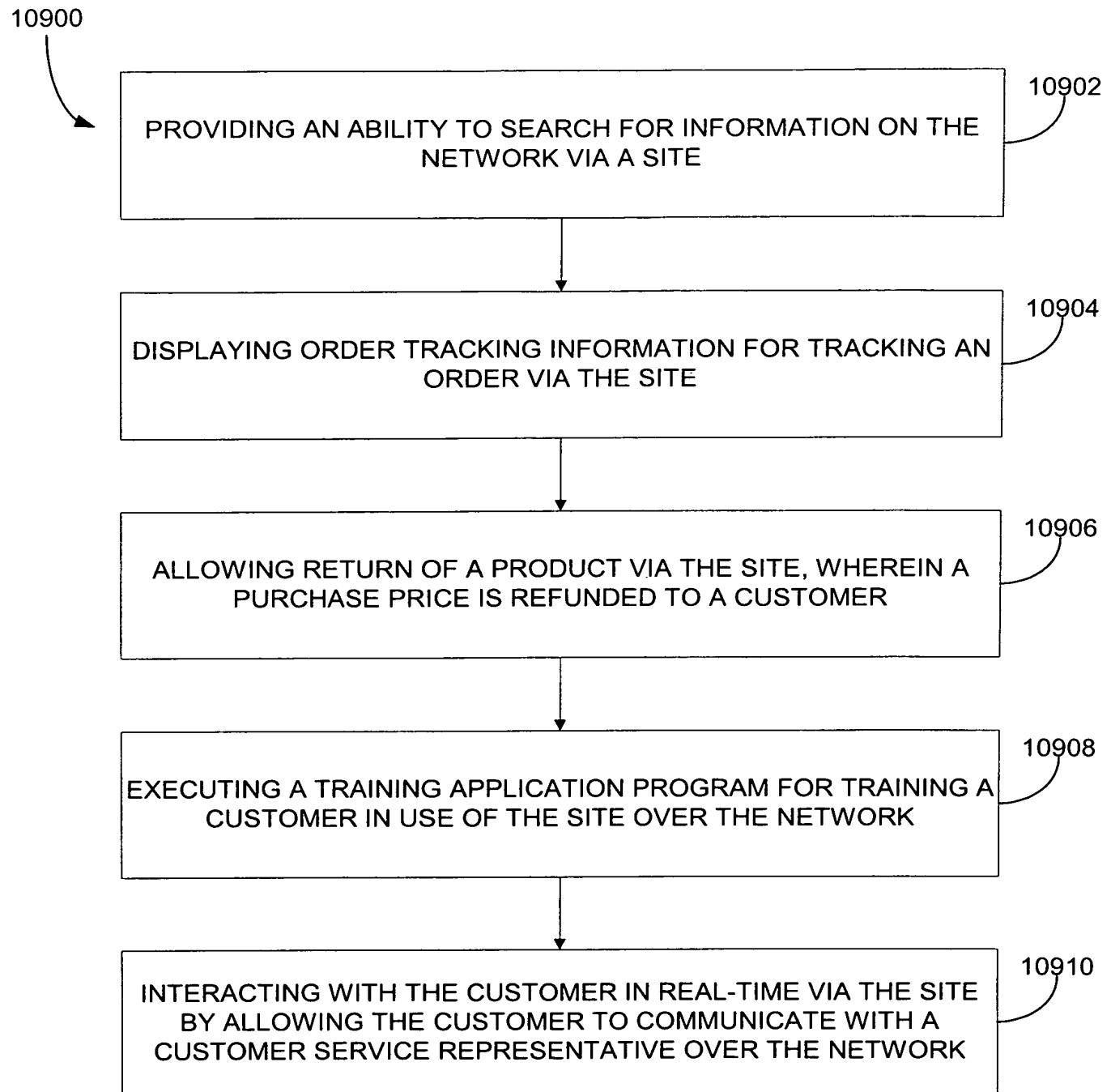


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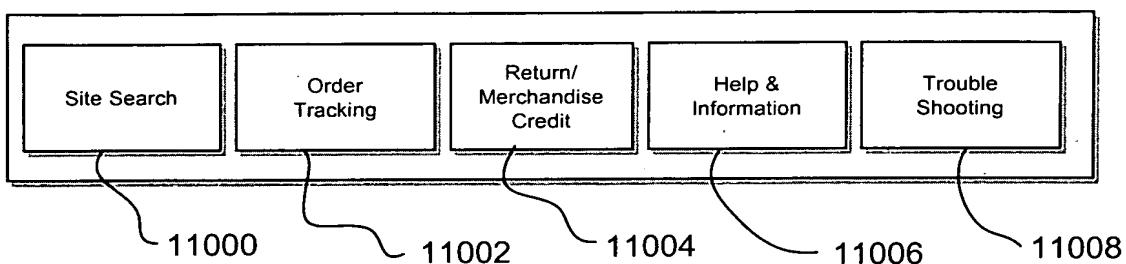


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9014

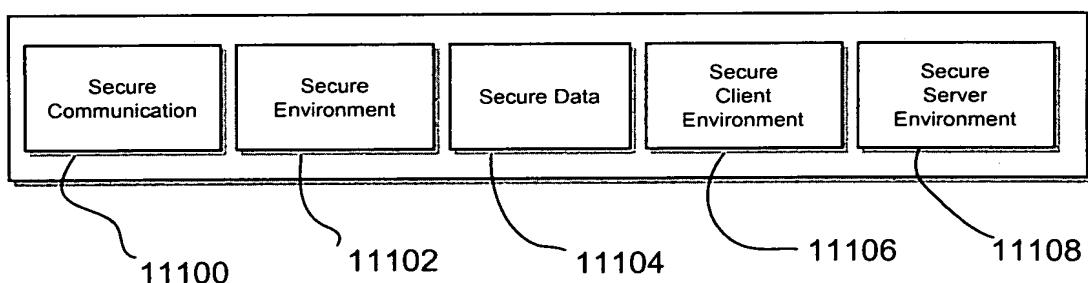


Figure 111

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11210

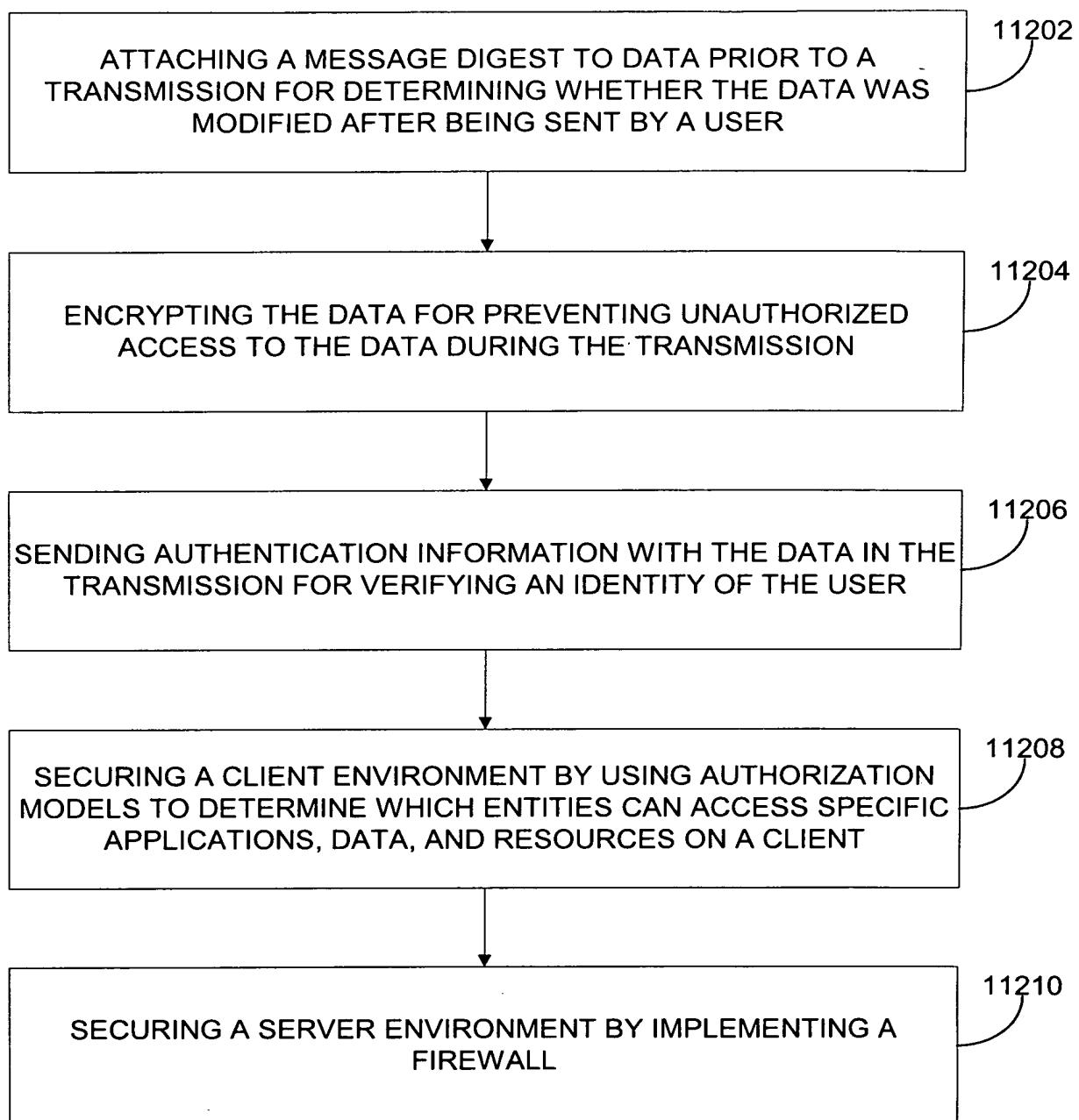


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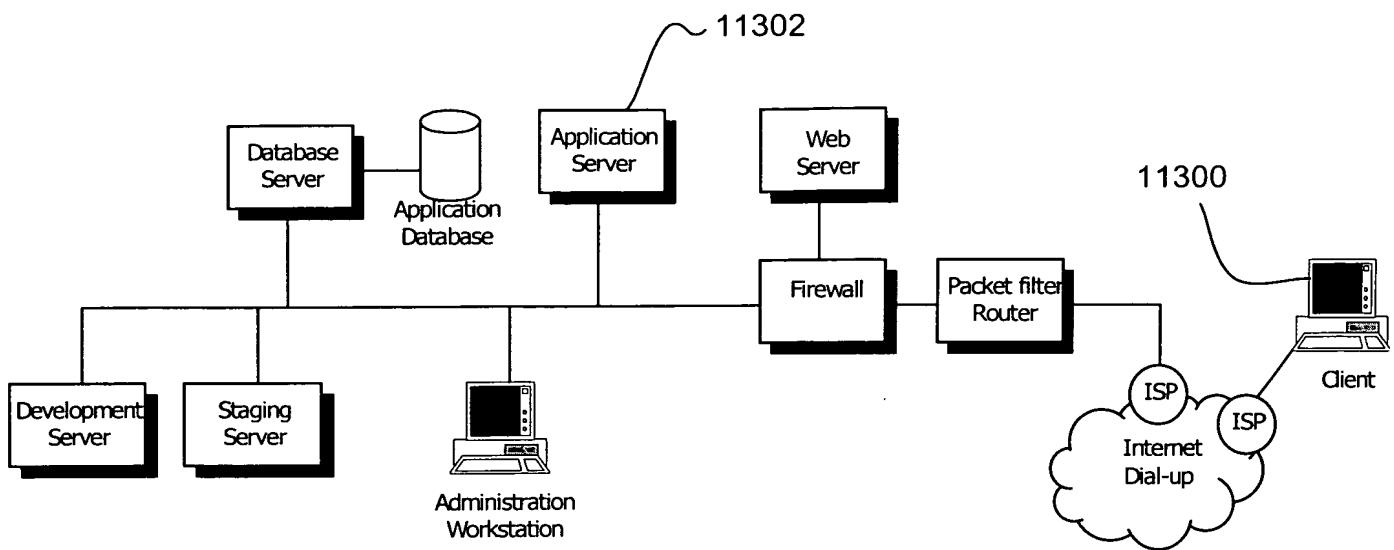


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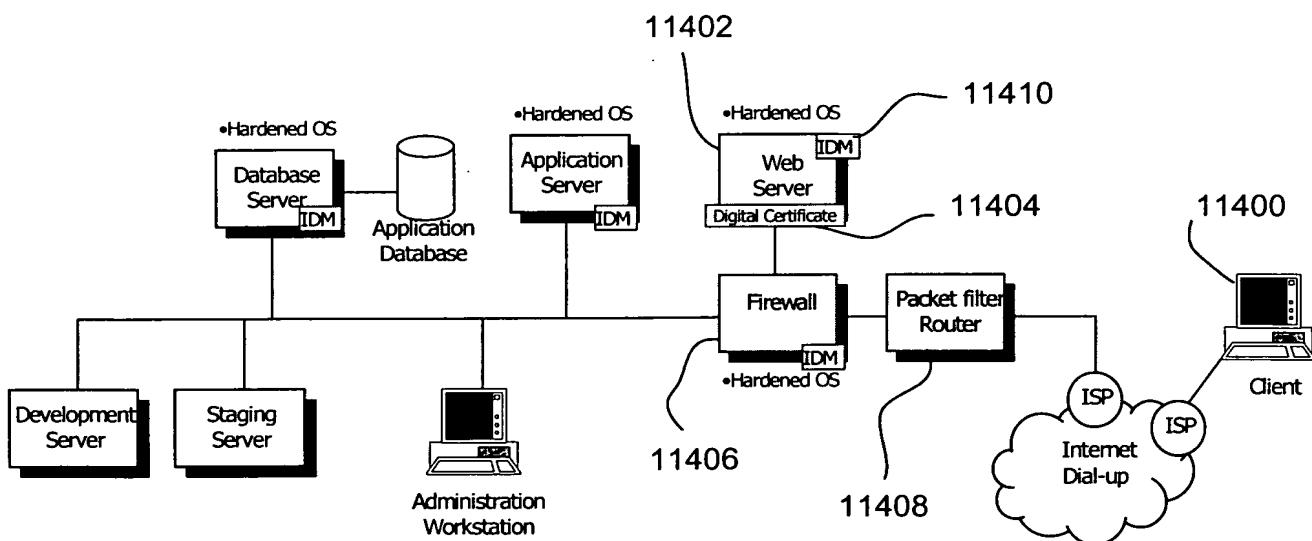


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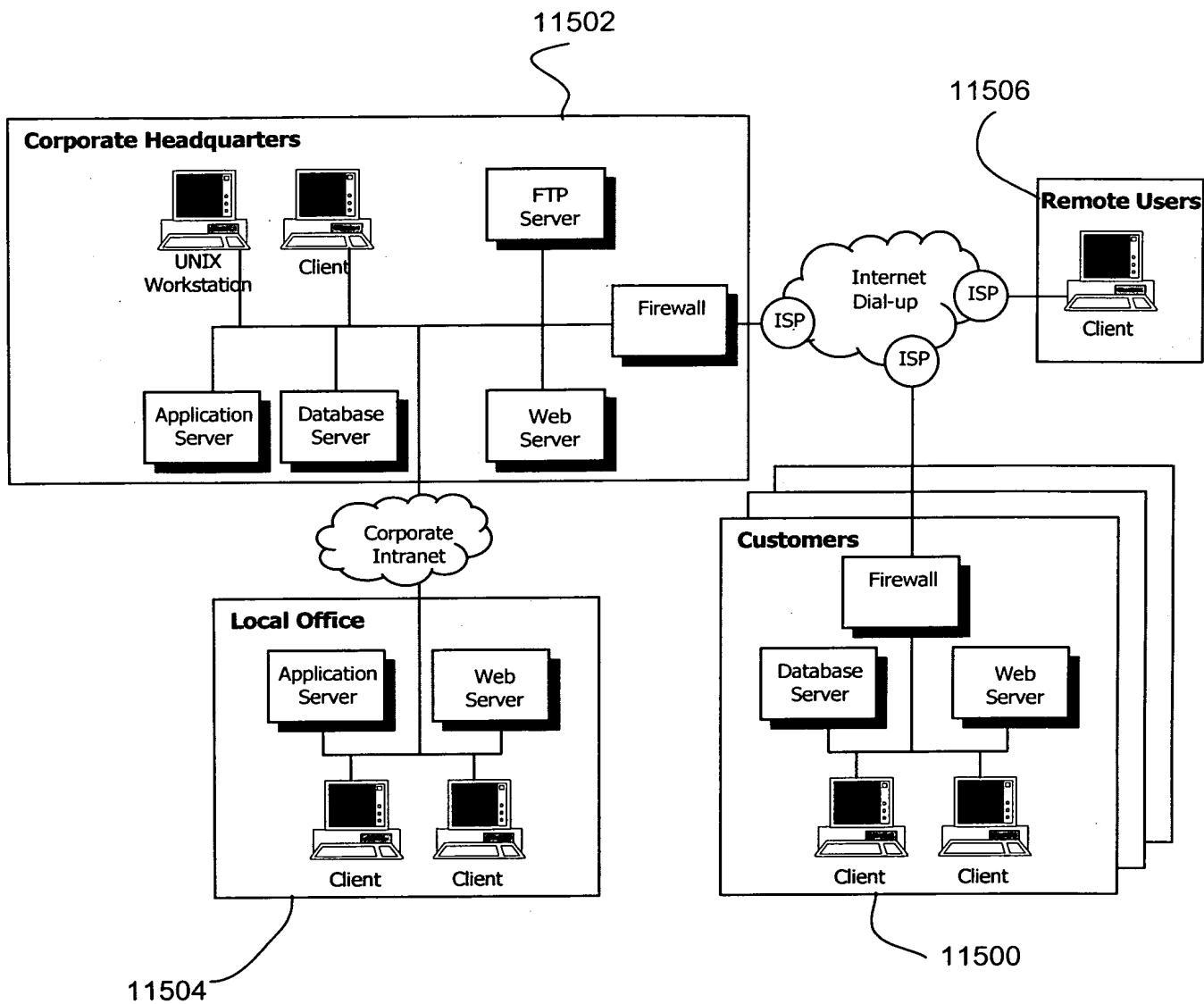


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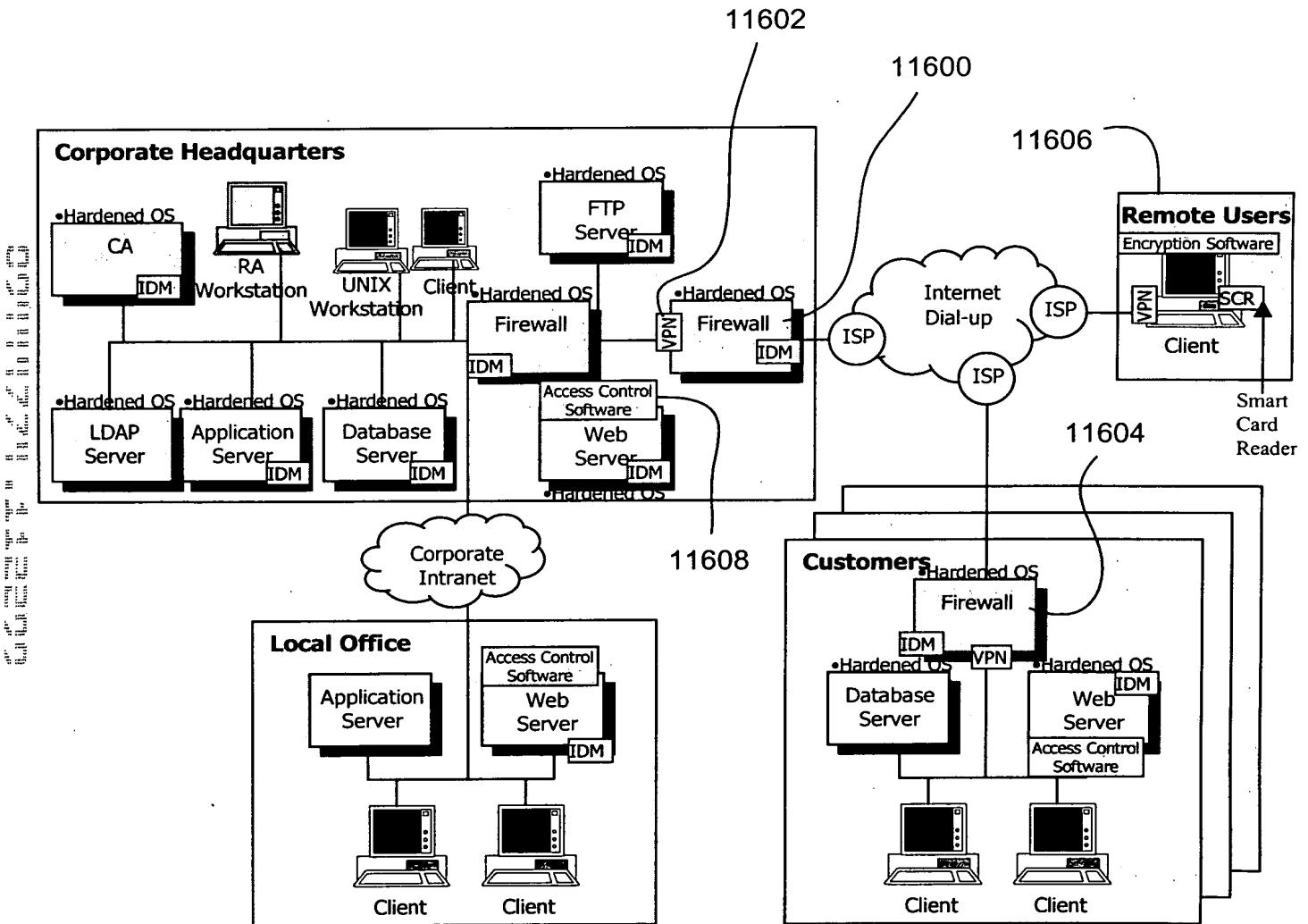


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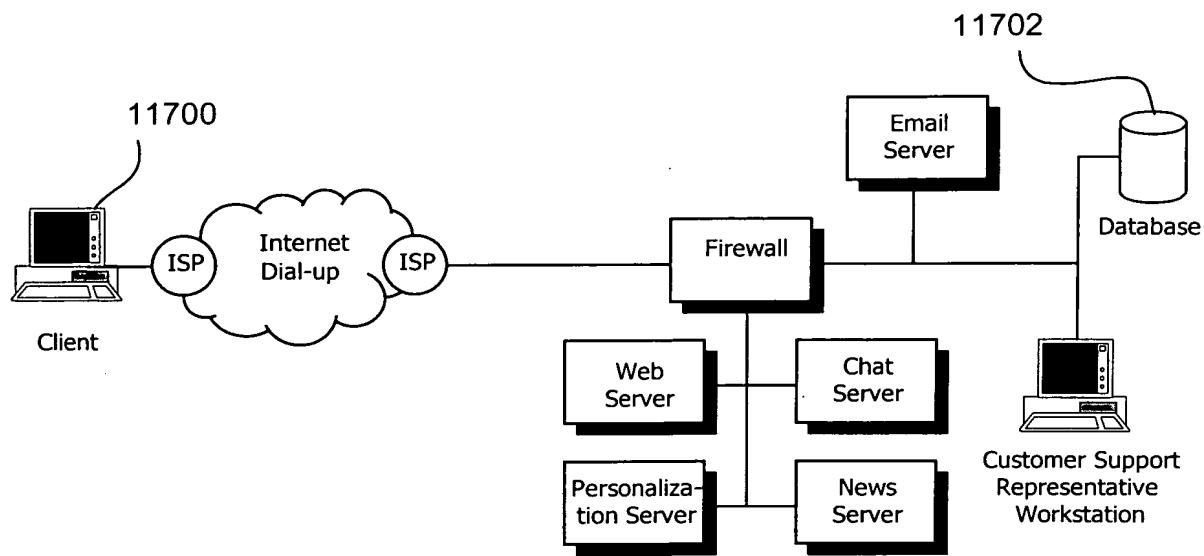


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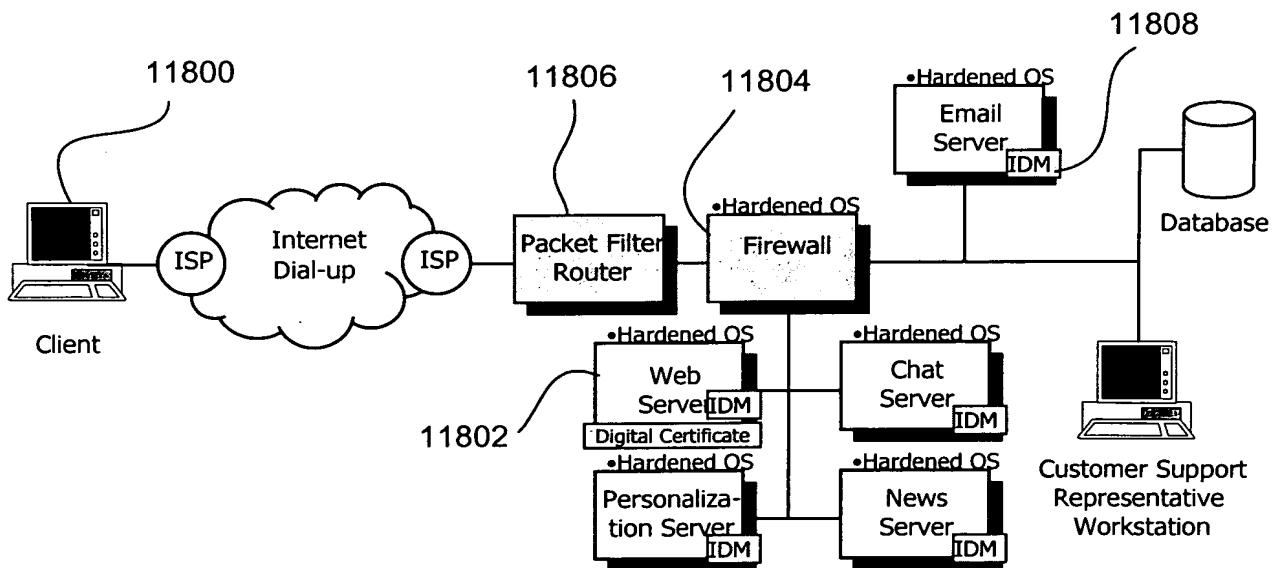


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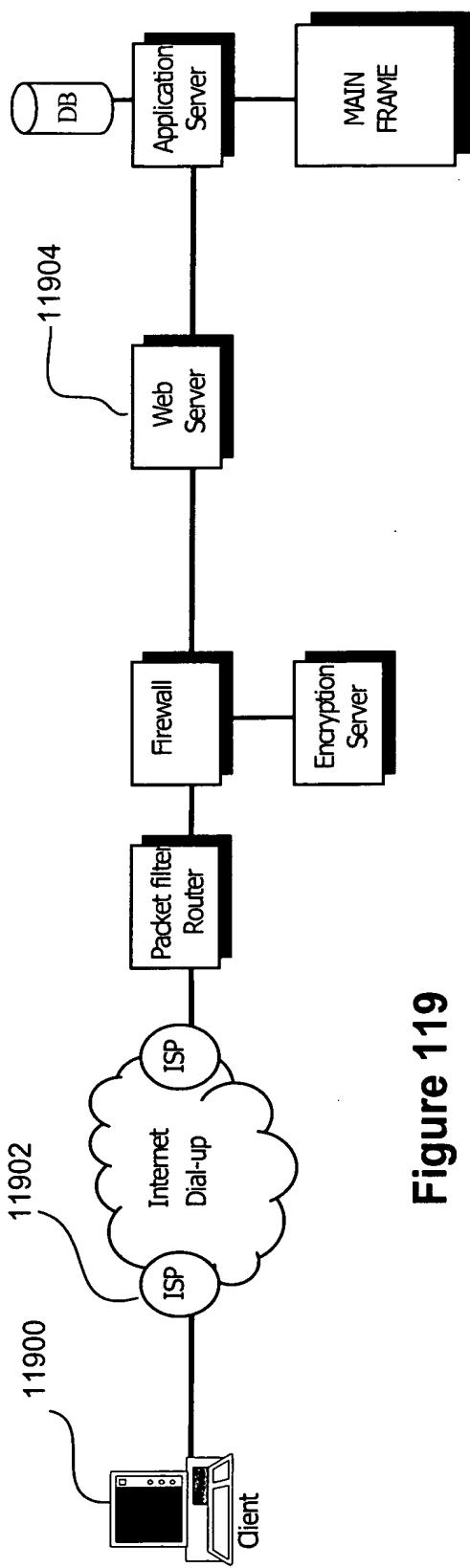


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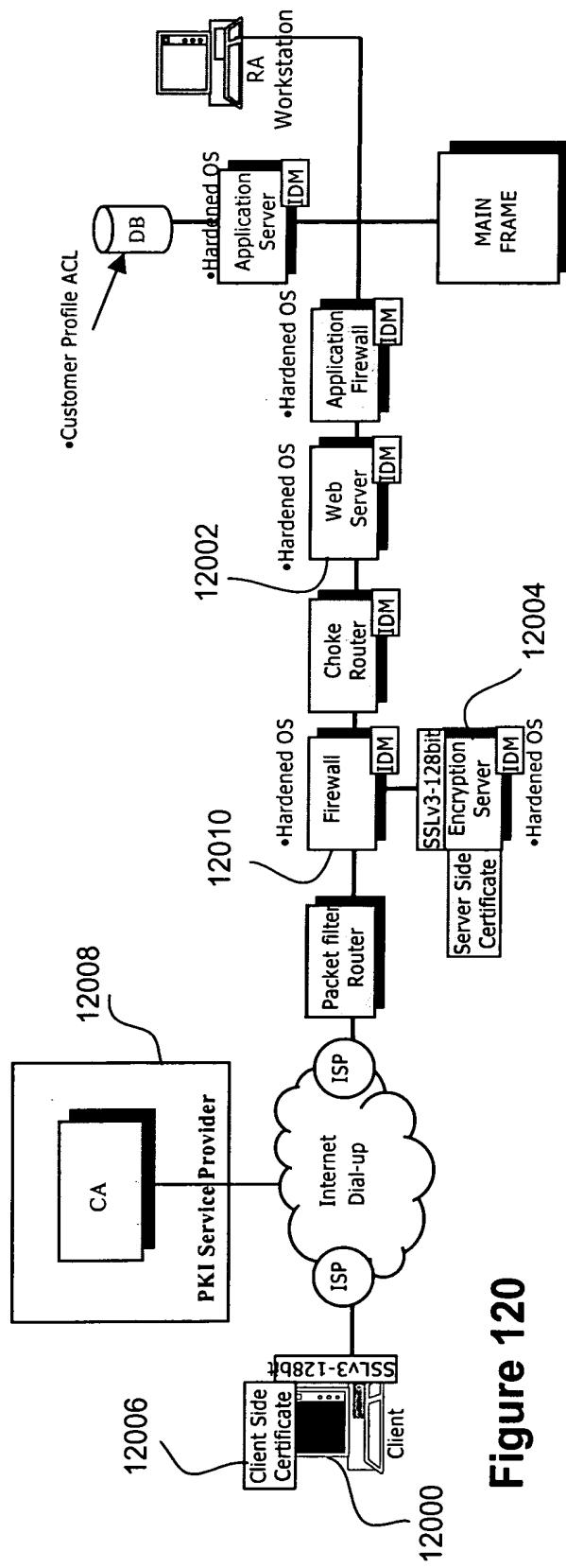


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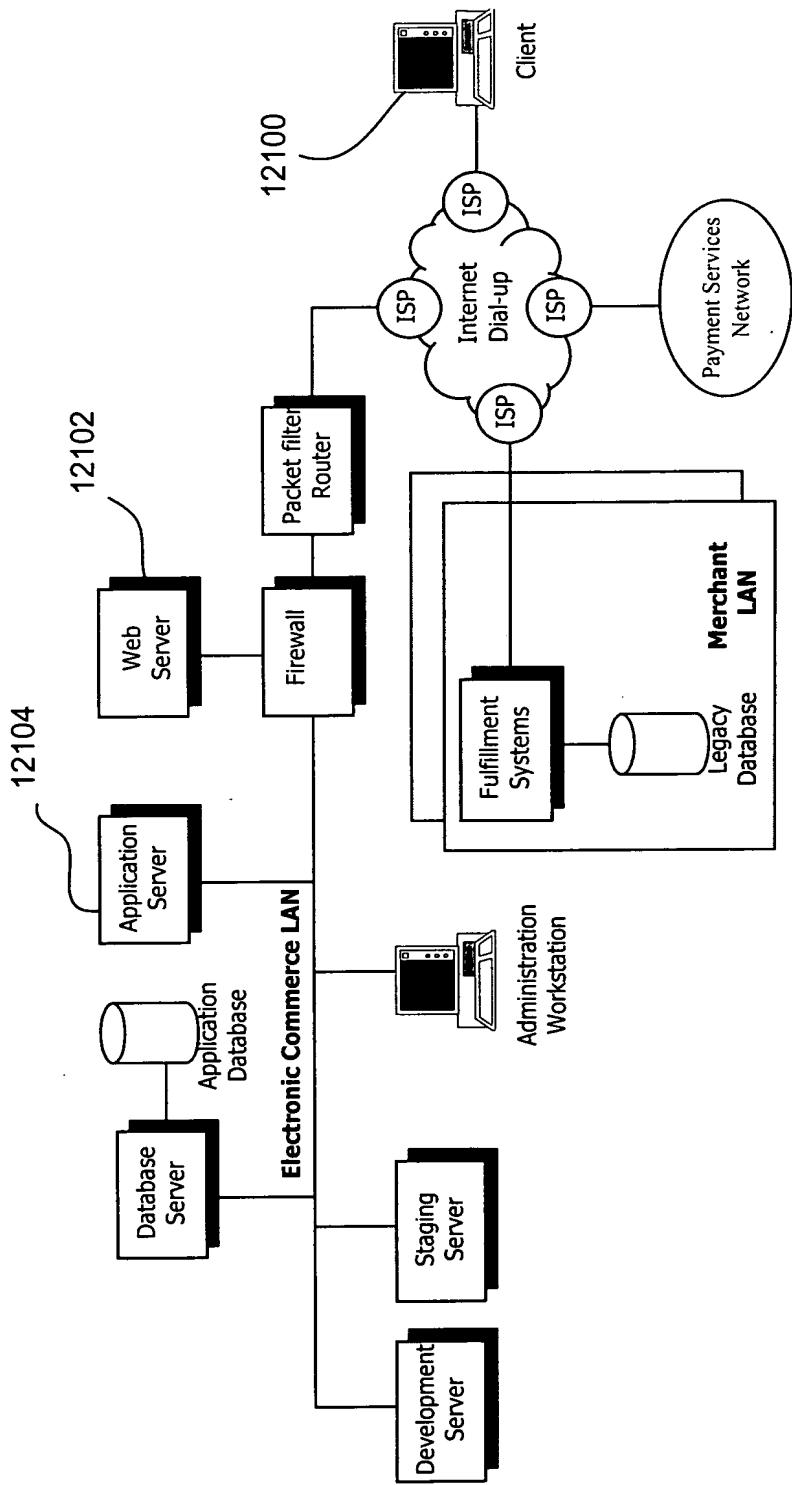
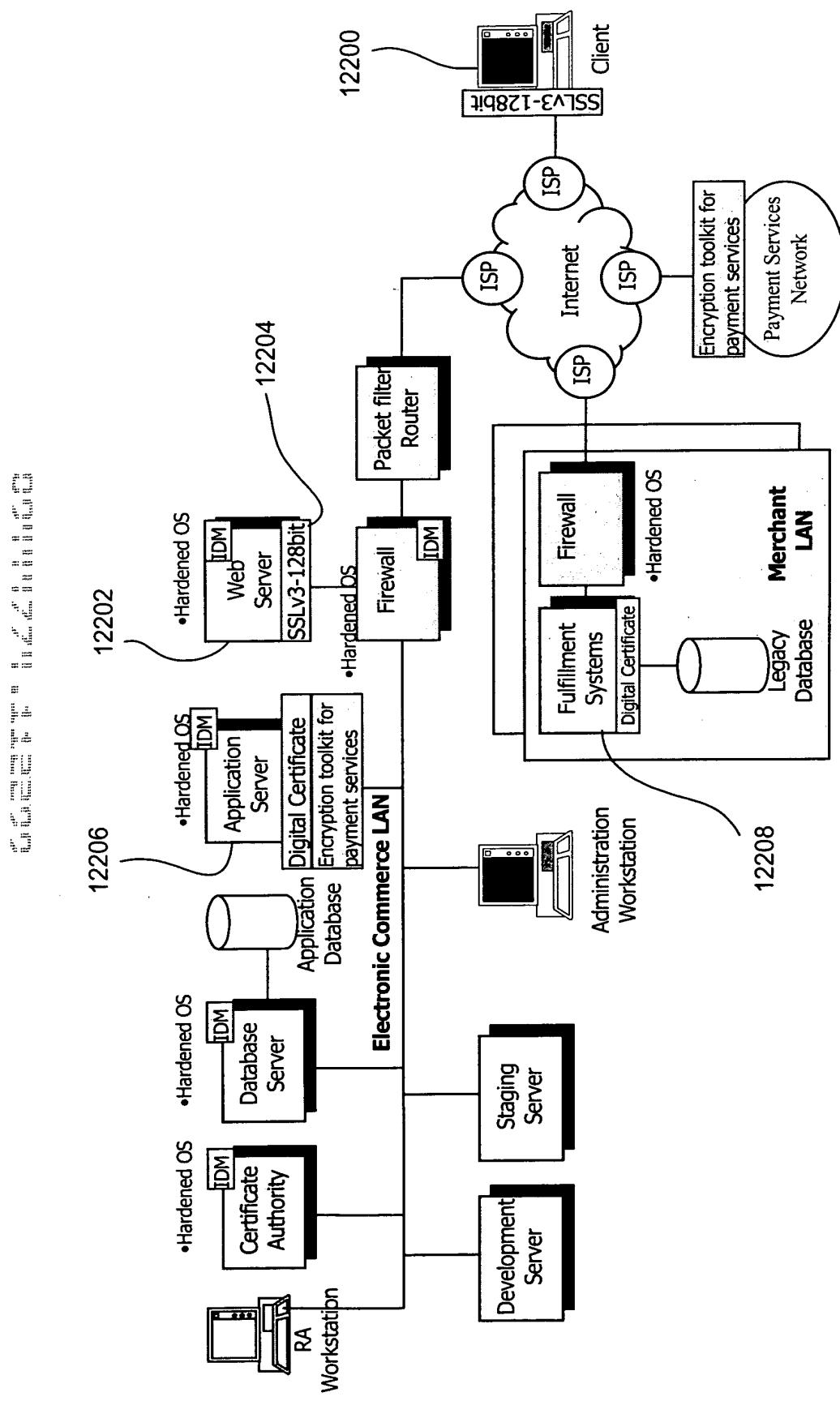


Figure 121

Figure 122



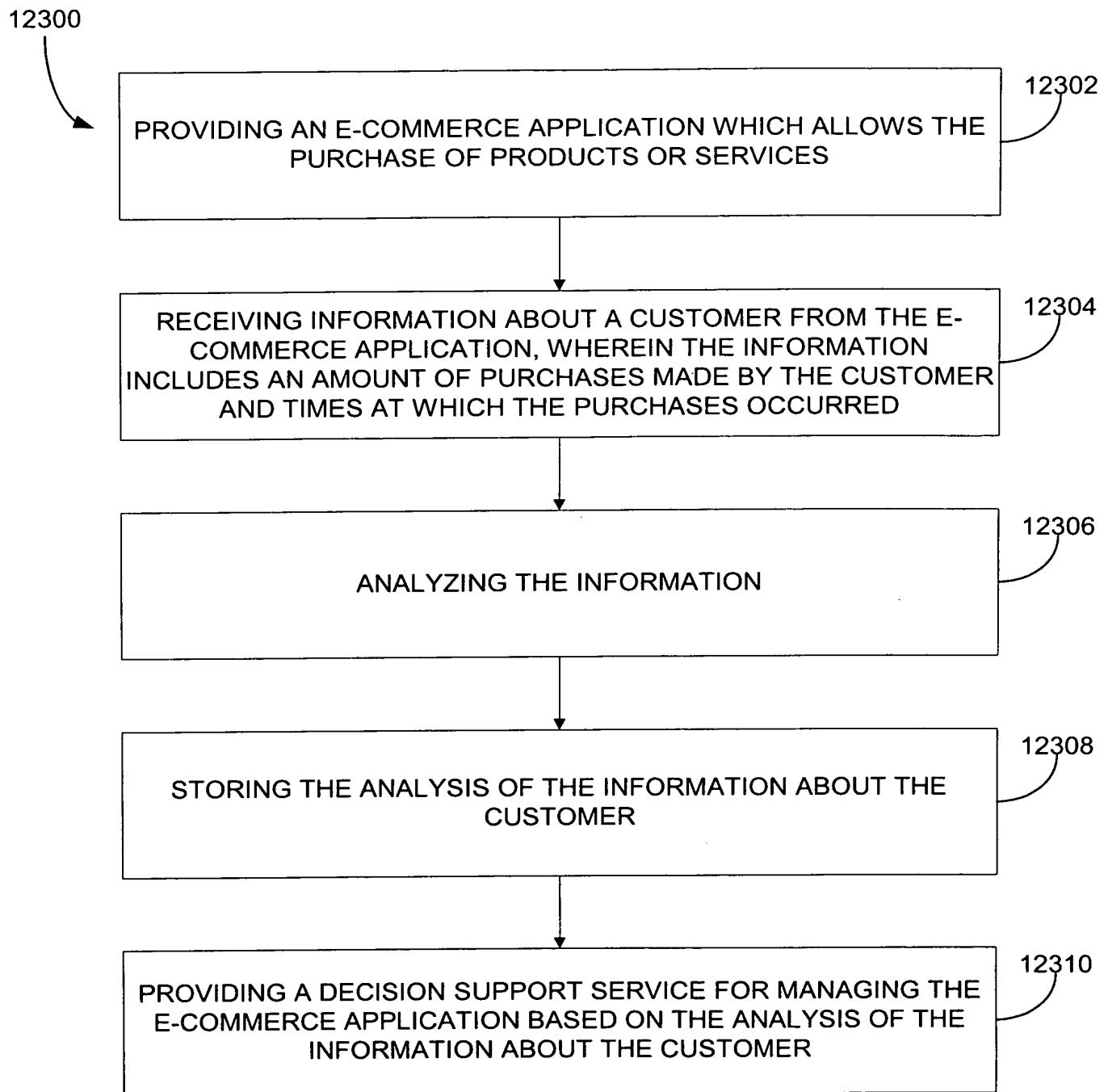


Figure 123

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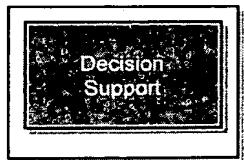


Figure 124

9018

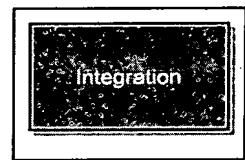


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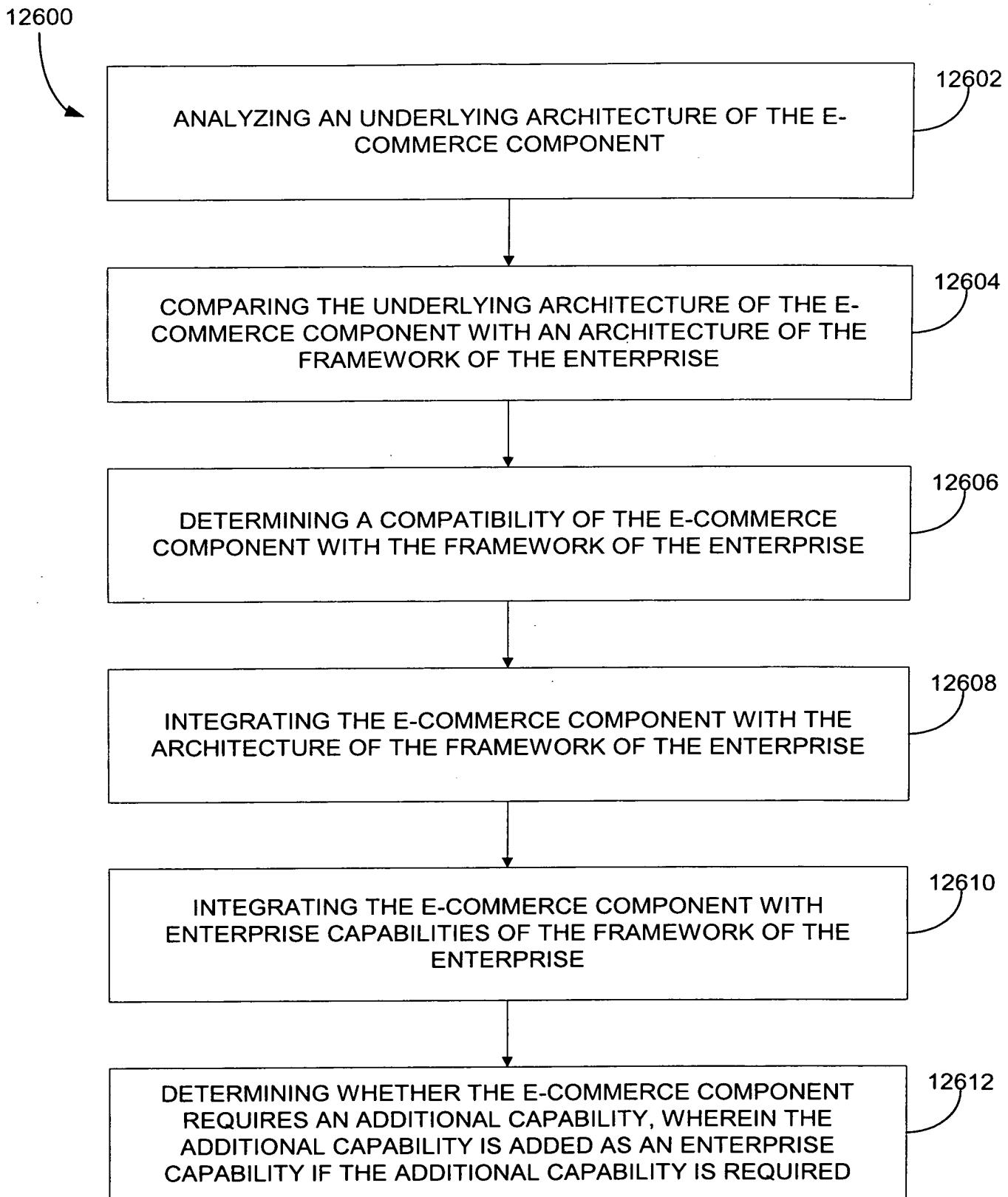
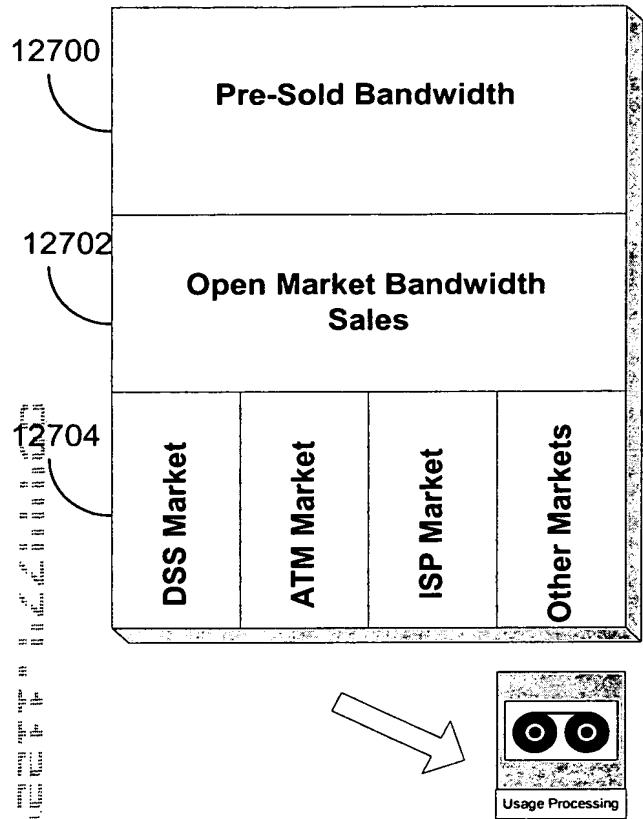


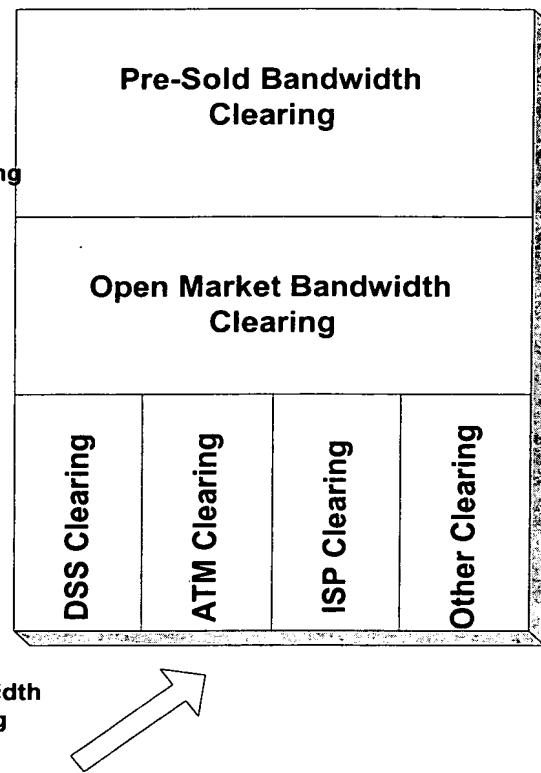
Figure 126

Bandwidth Market

Bandwidth Purchases



Net Settlements



Sales contracts
passed to clearing
and settlements
functions.



Contract IDs
correlate bandwidth
sales (with rating
info) to net
settlements
clearing function.

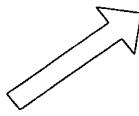


Figure 127

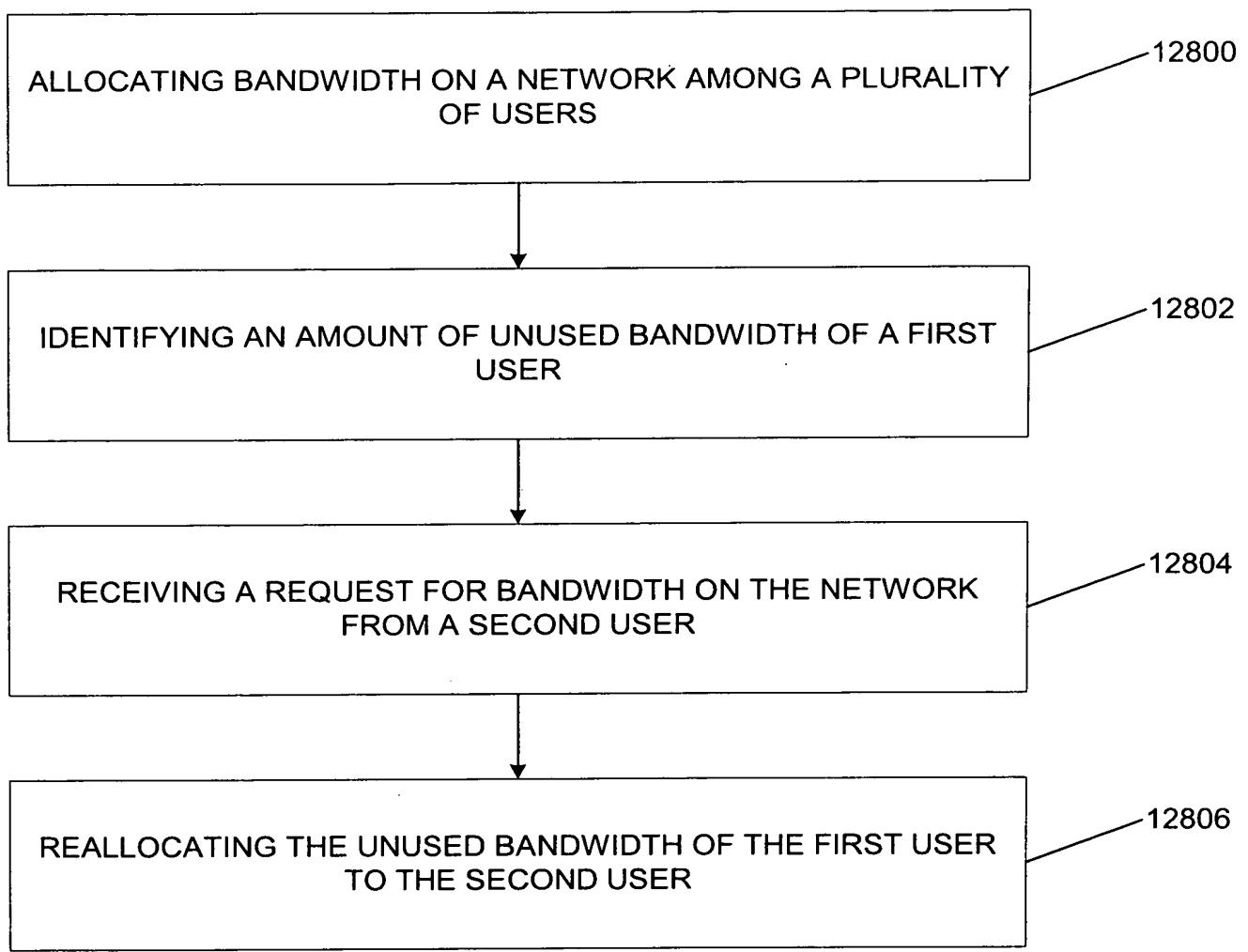


Figure 128

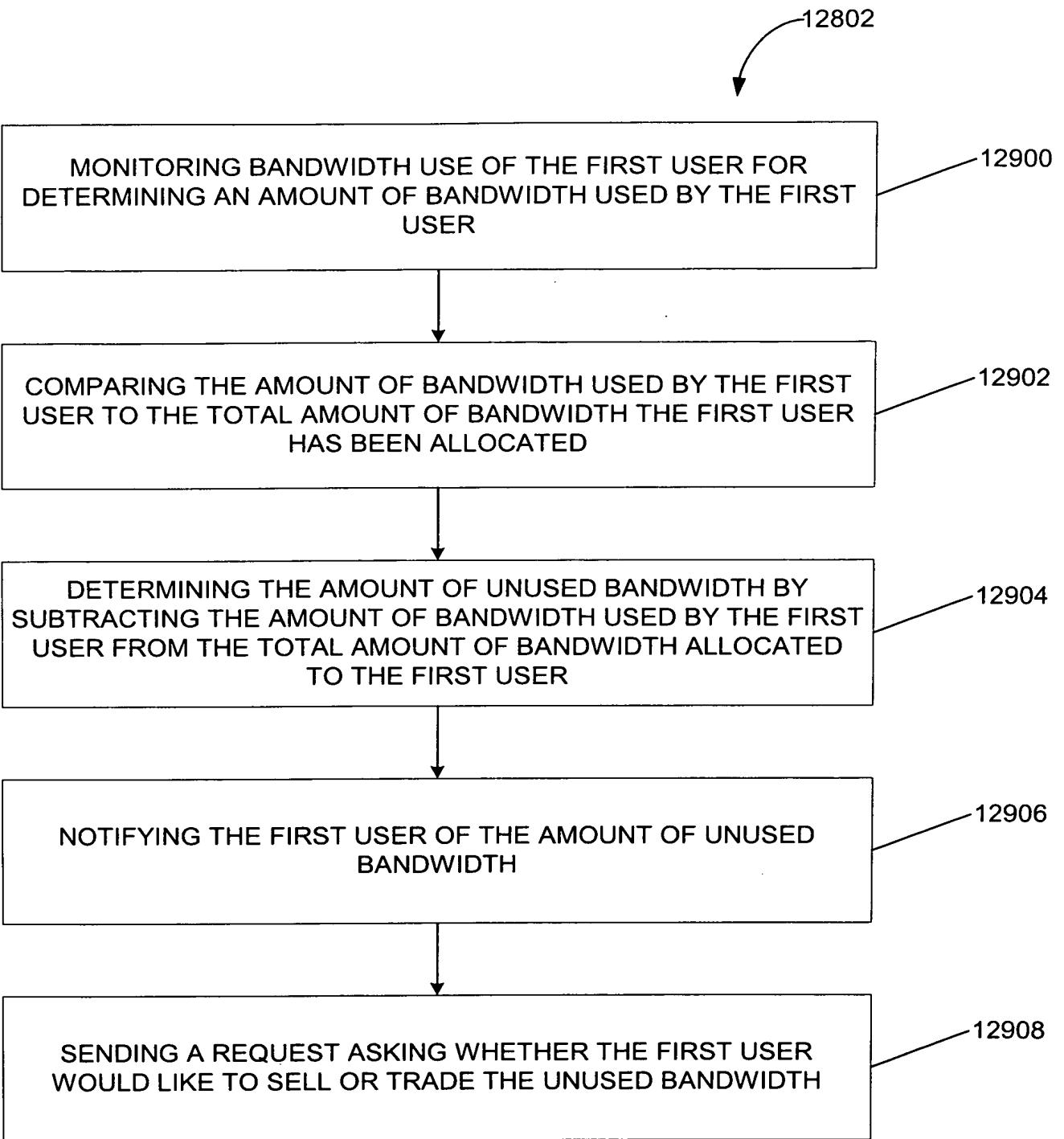


Figure 129

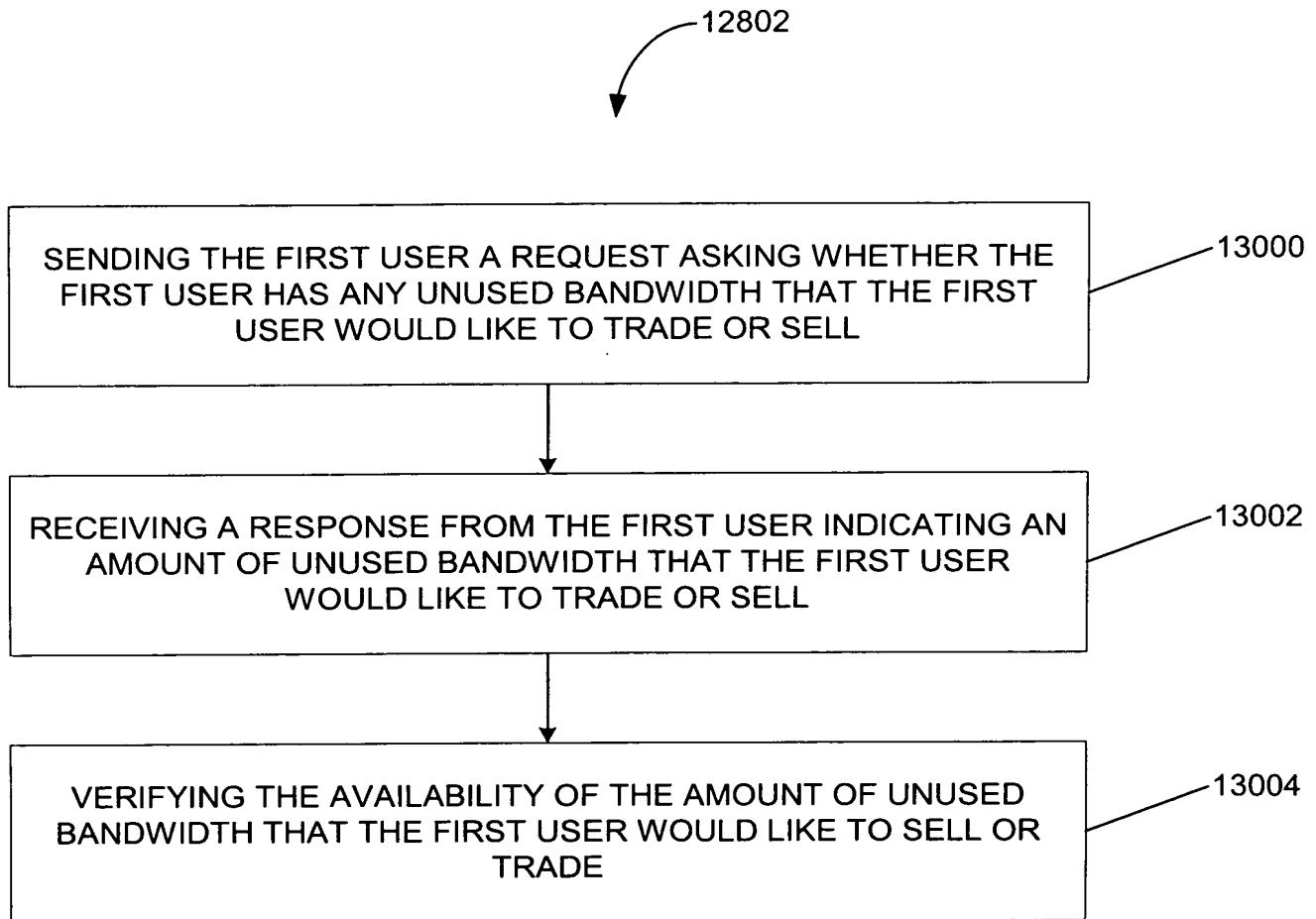


Figure 130

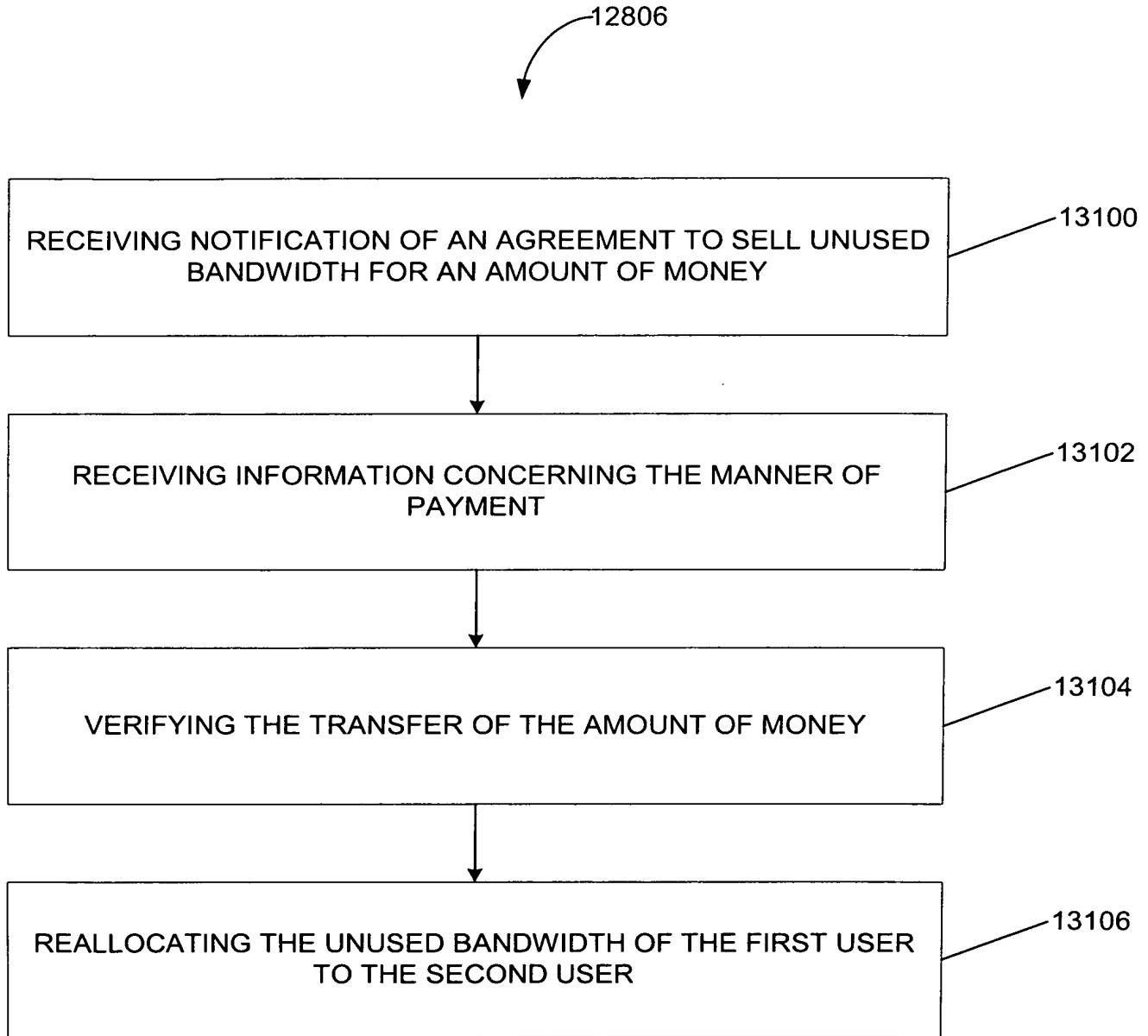


Figure 131

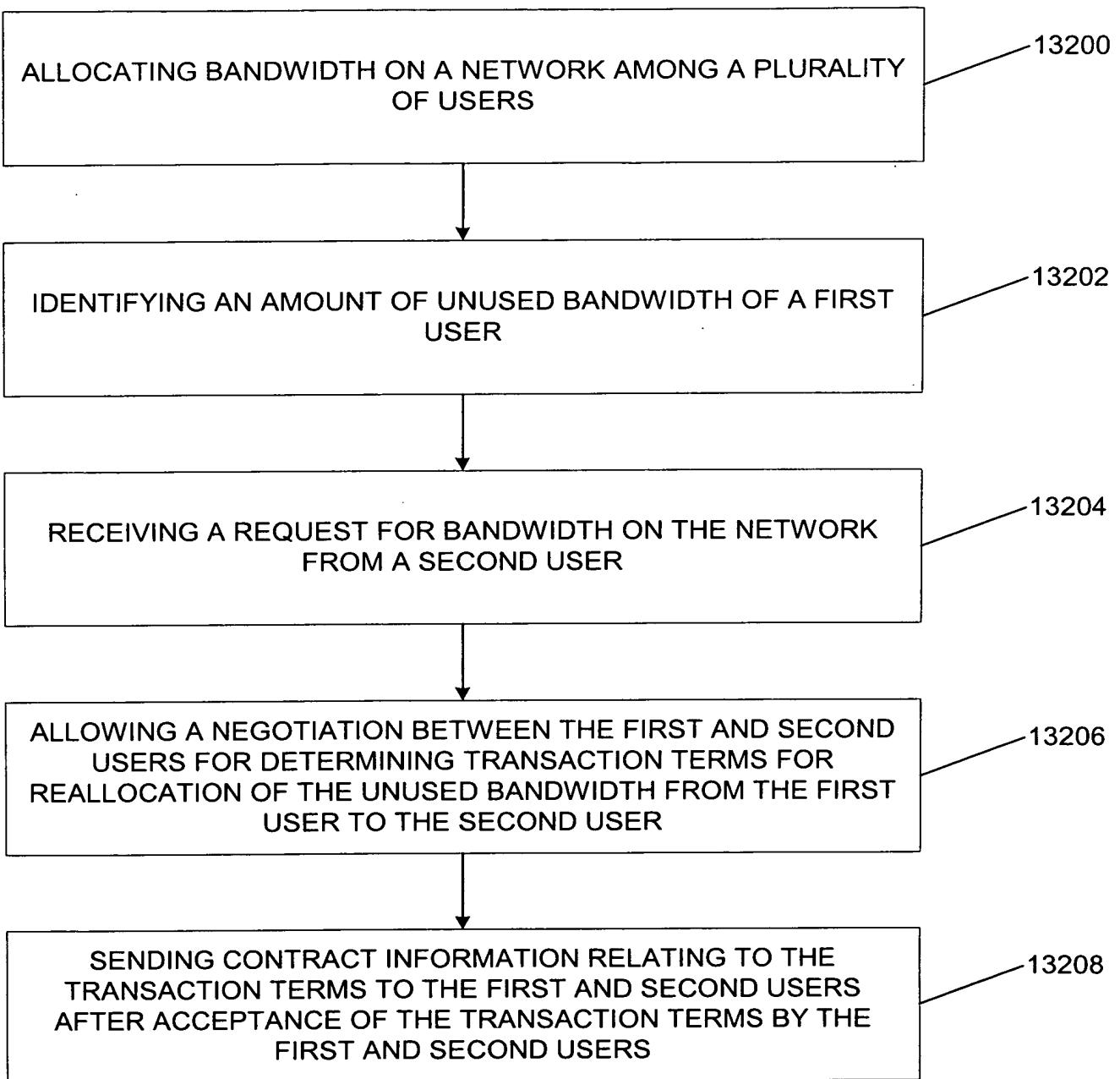


Figure 132

Bandwidth Contract Flow

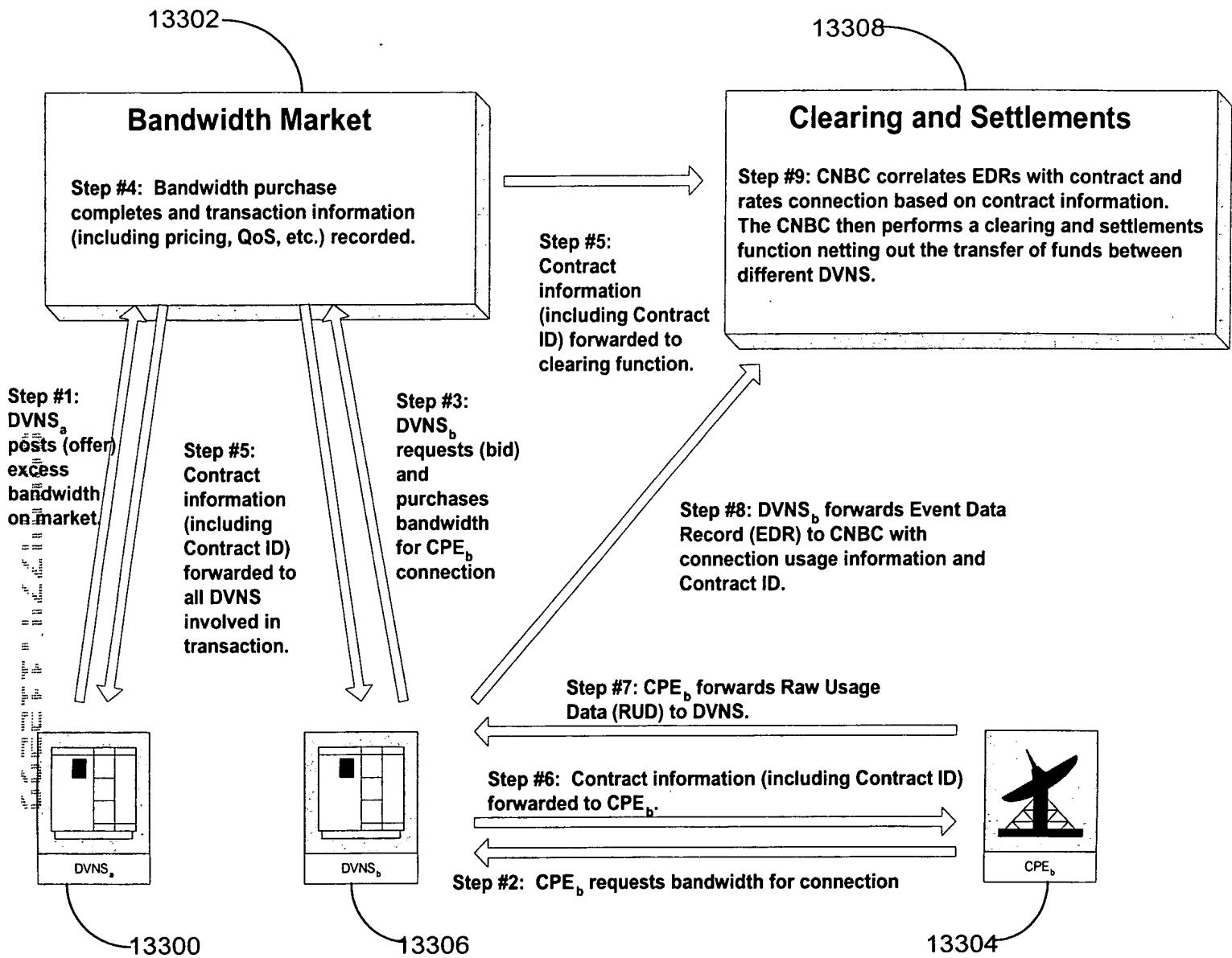


Figure 133

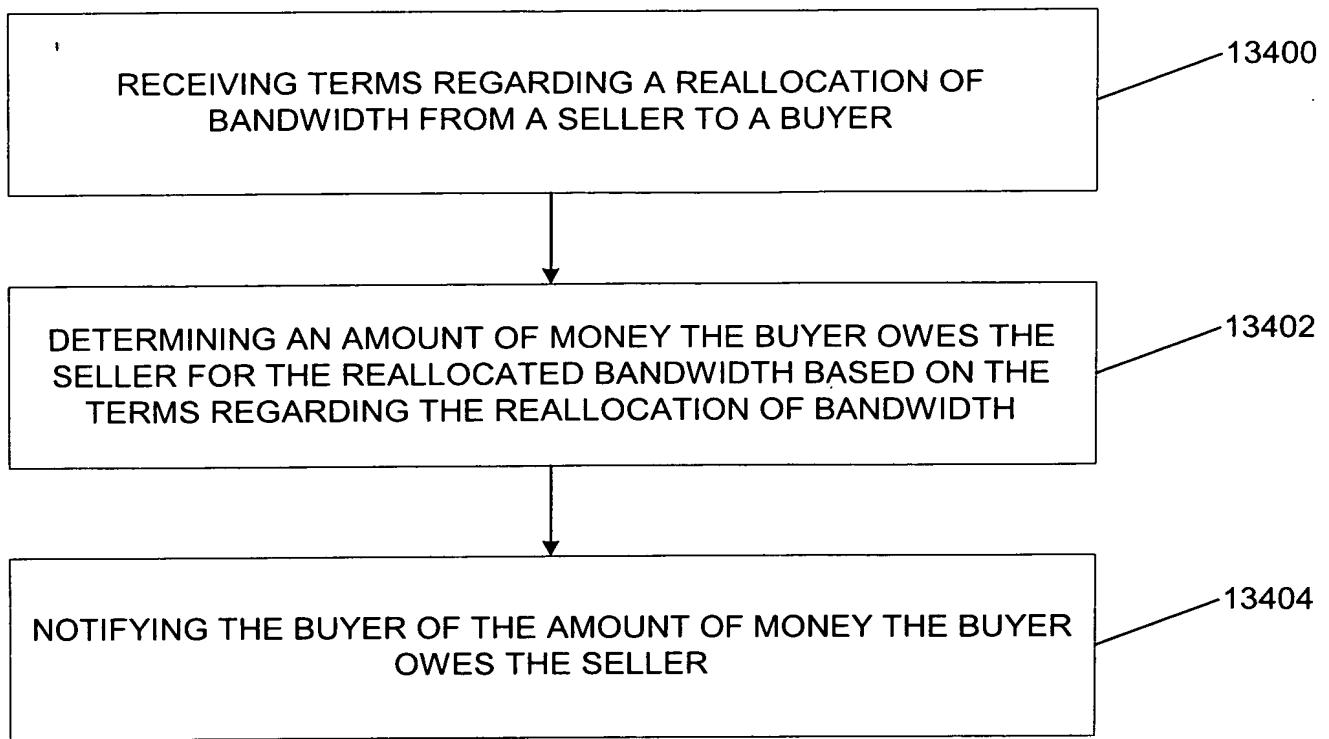


Figure 134

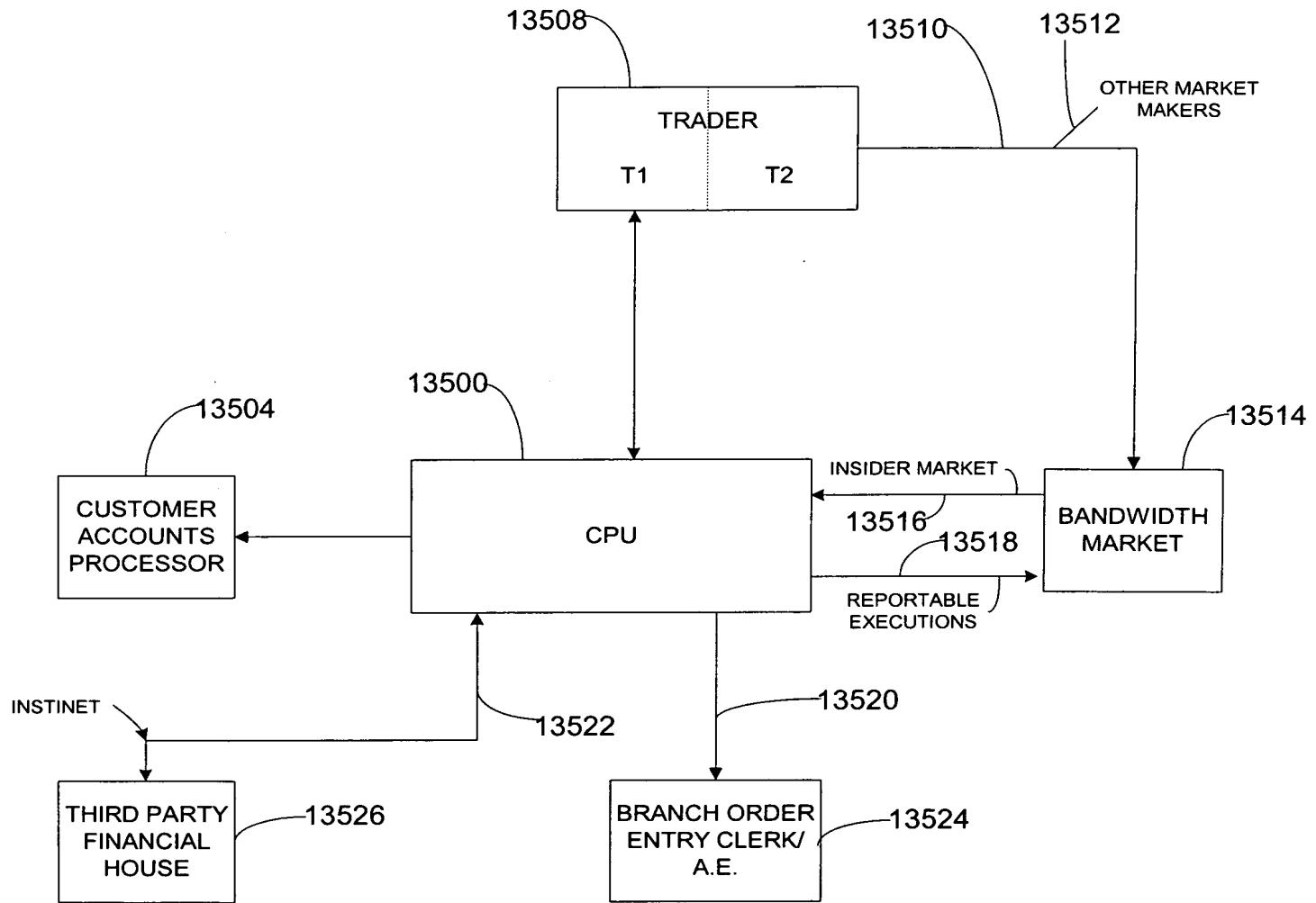


Figure 135

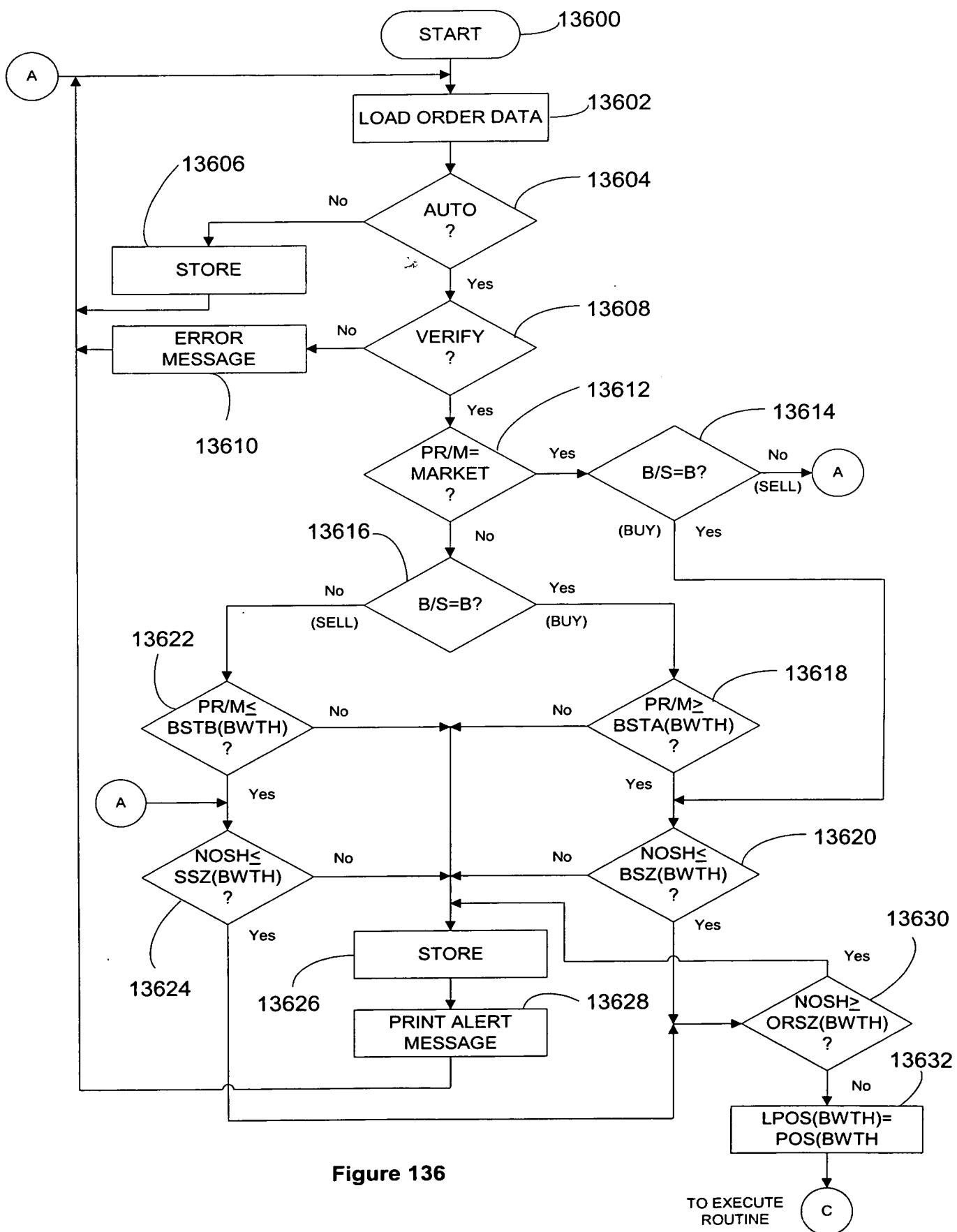


Figure 136

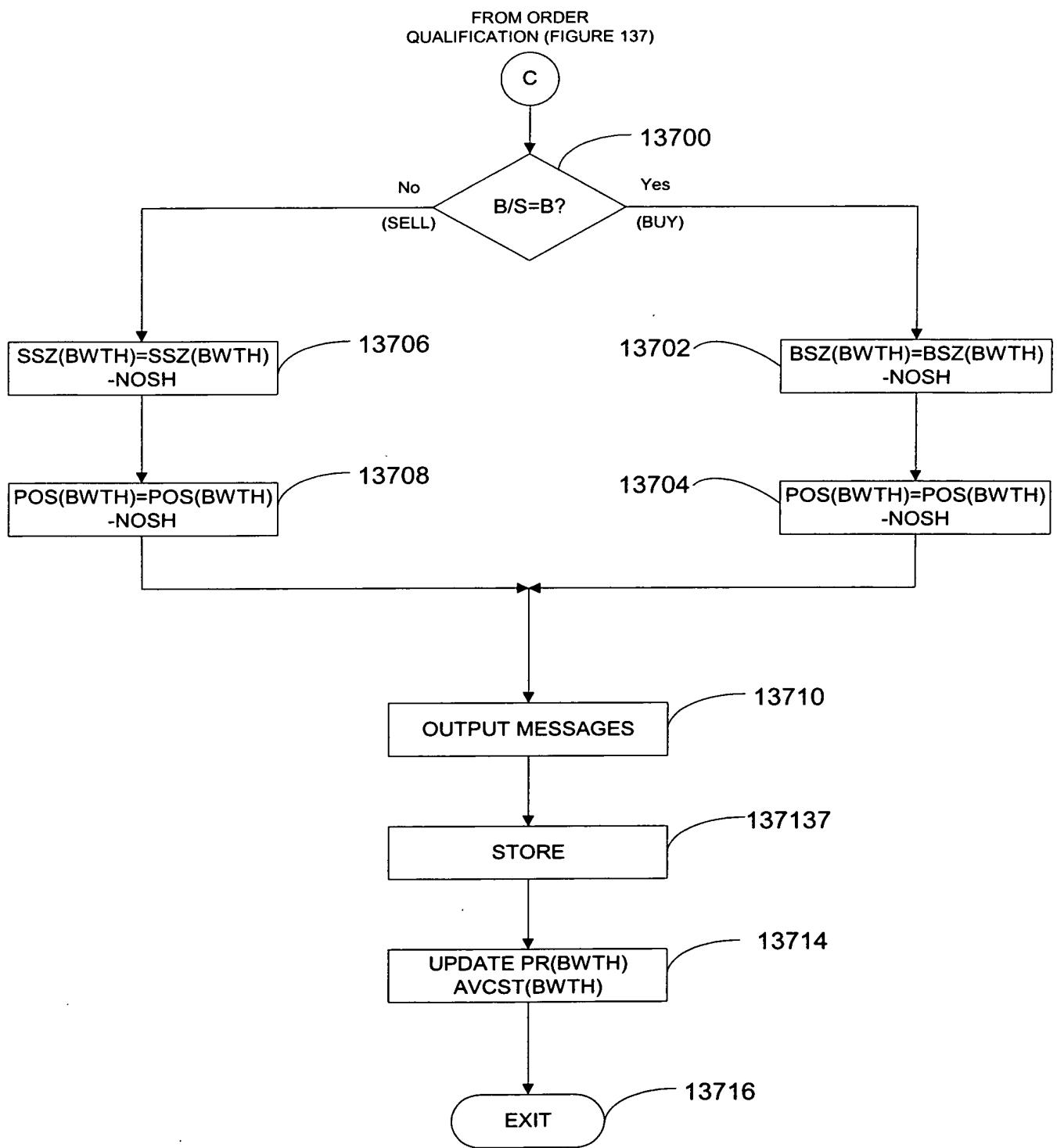


Figure 137

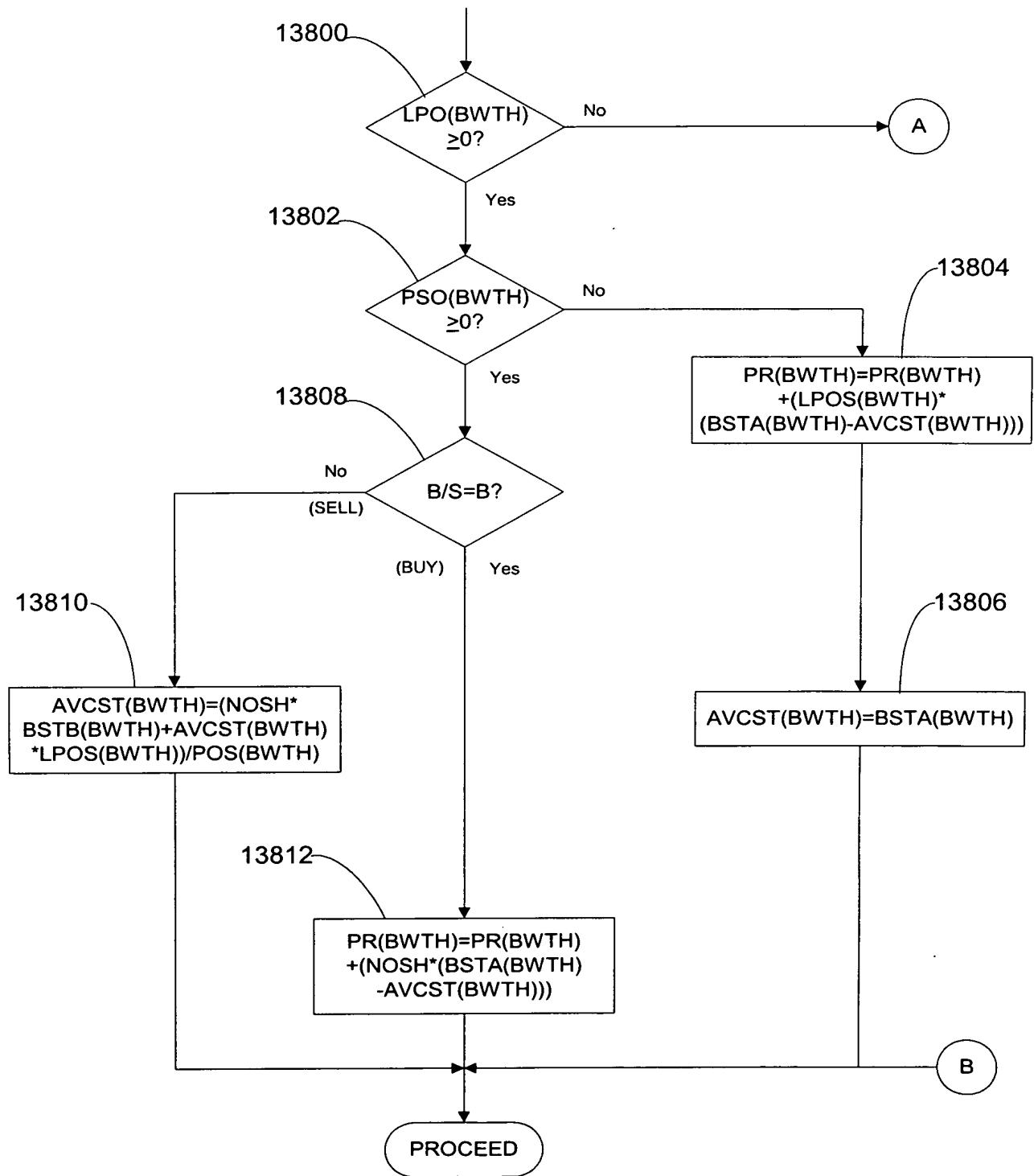


Figure 138

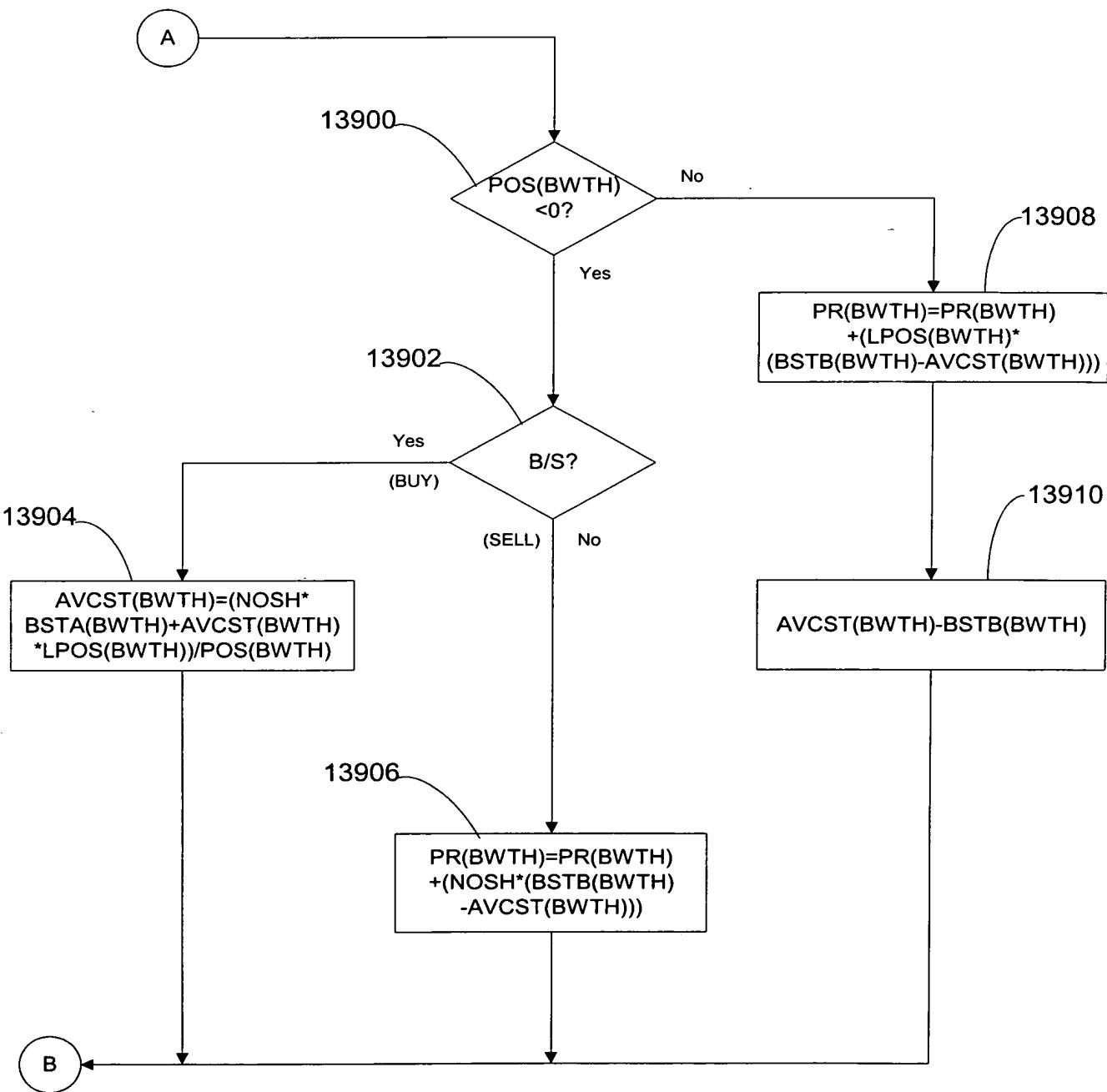


Figure 139

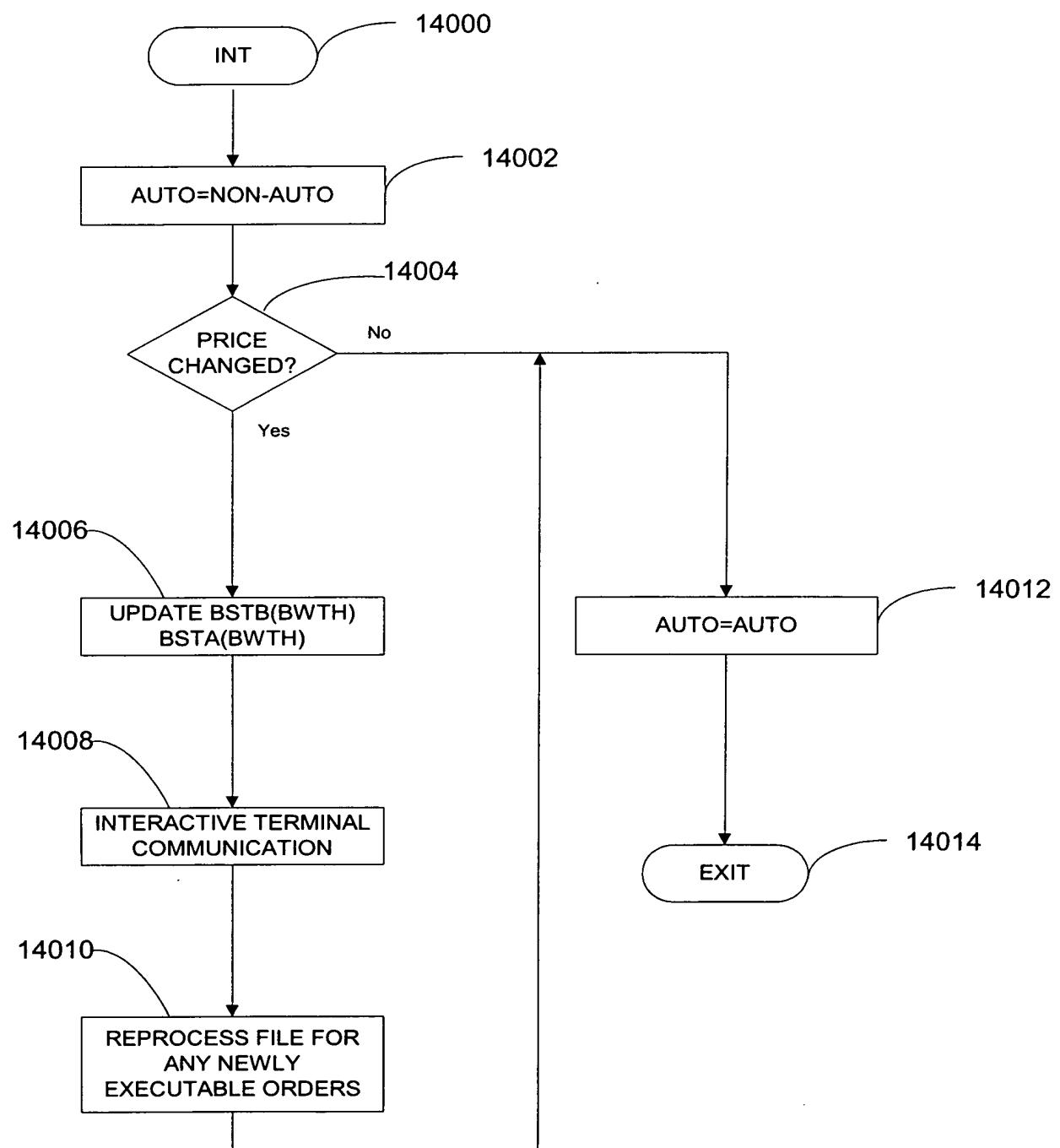


Figure 140

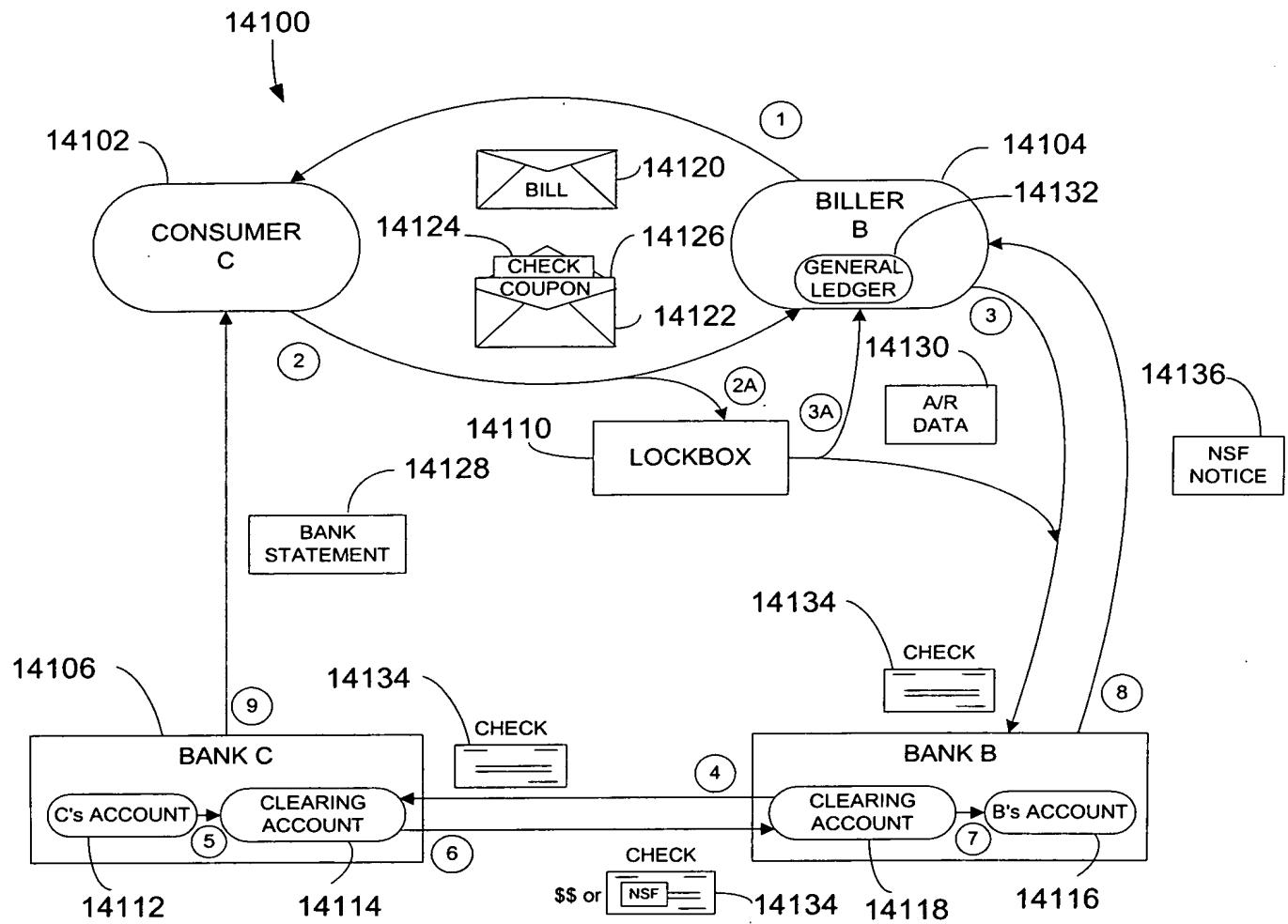


Figure 141

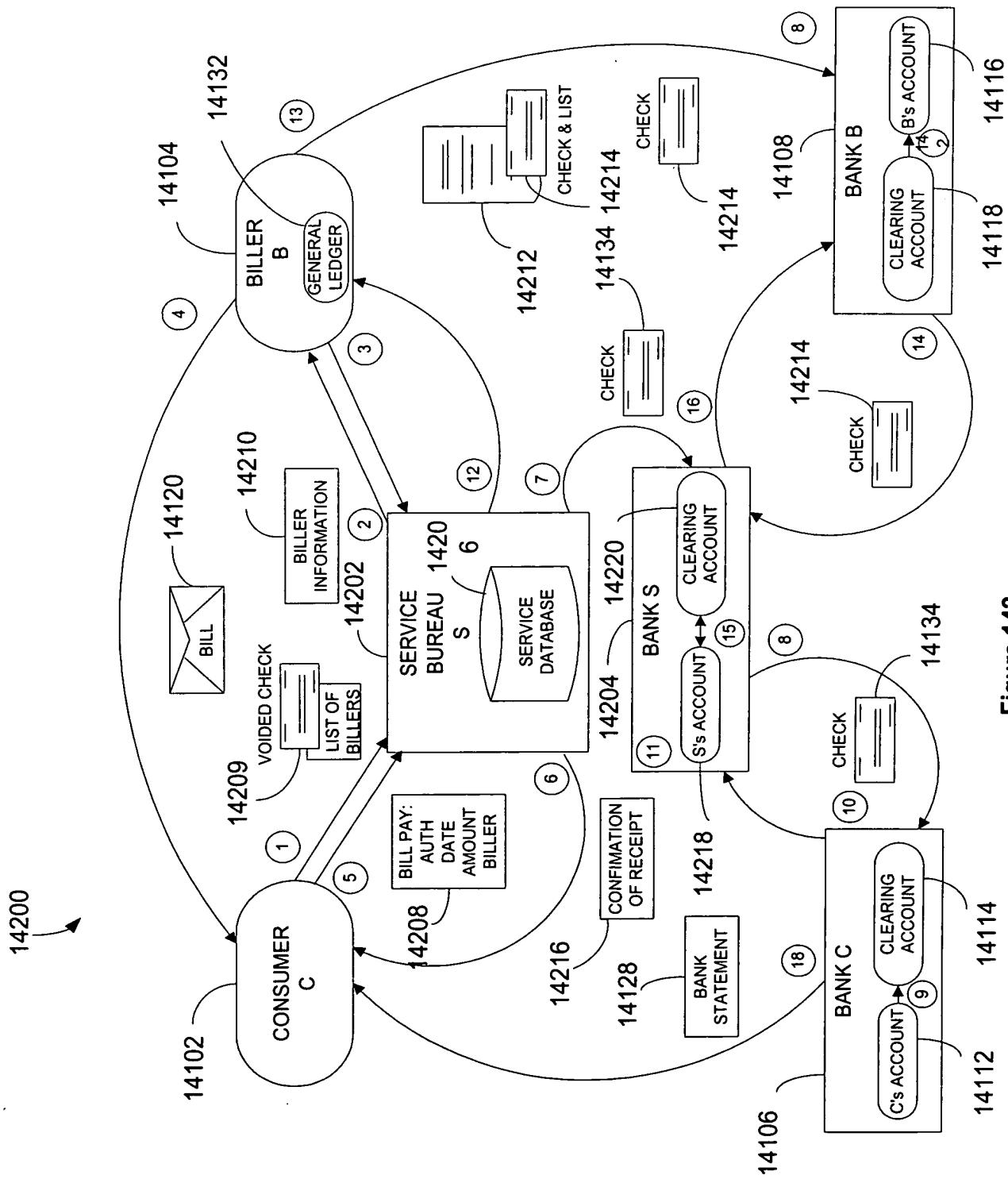


Figure 142

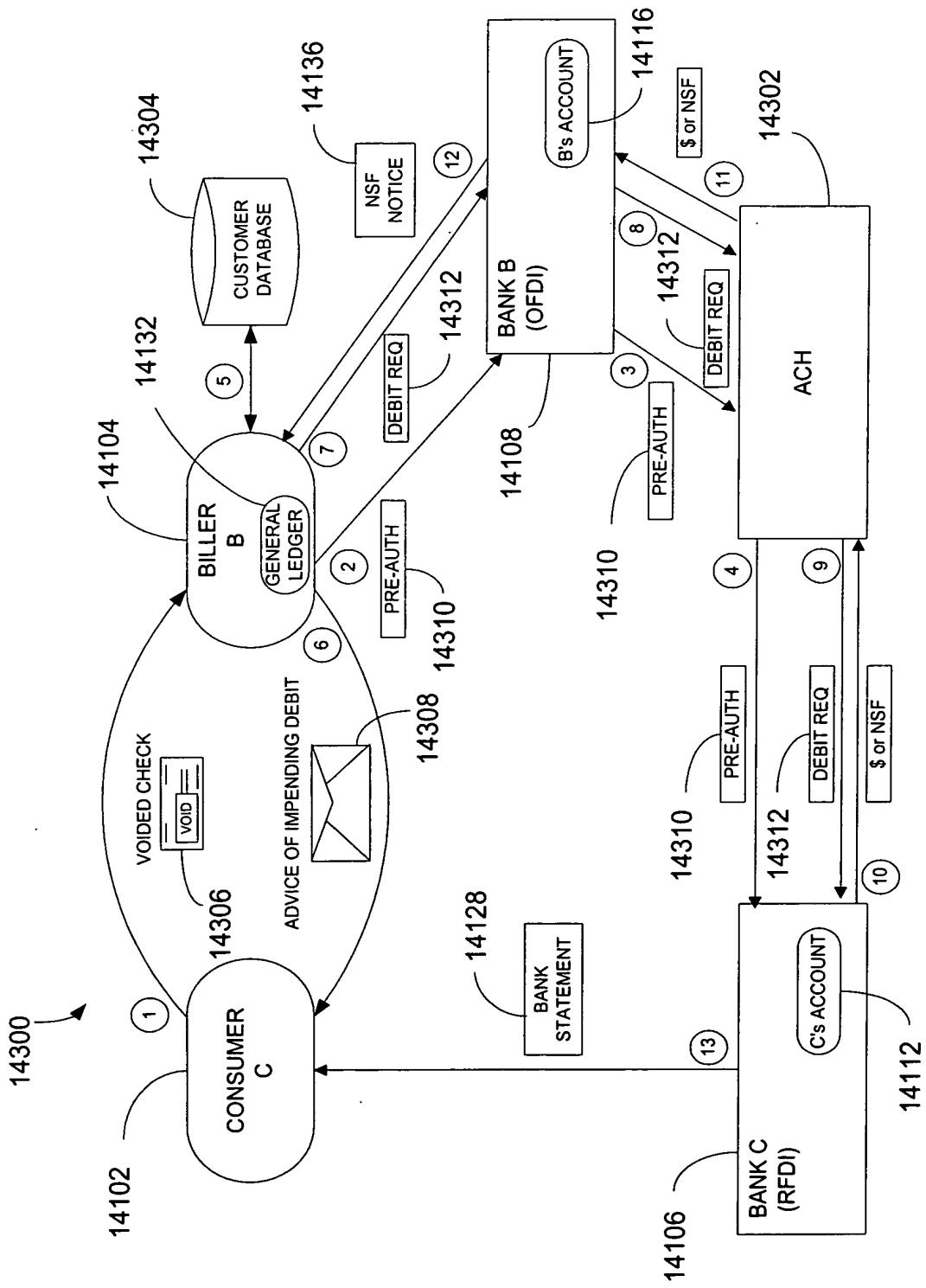


Figure 143